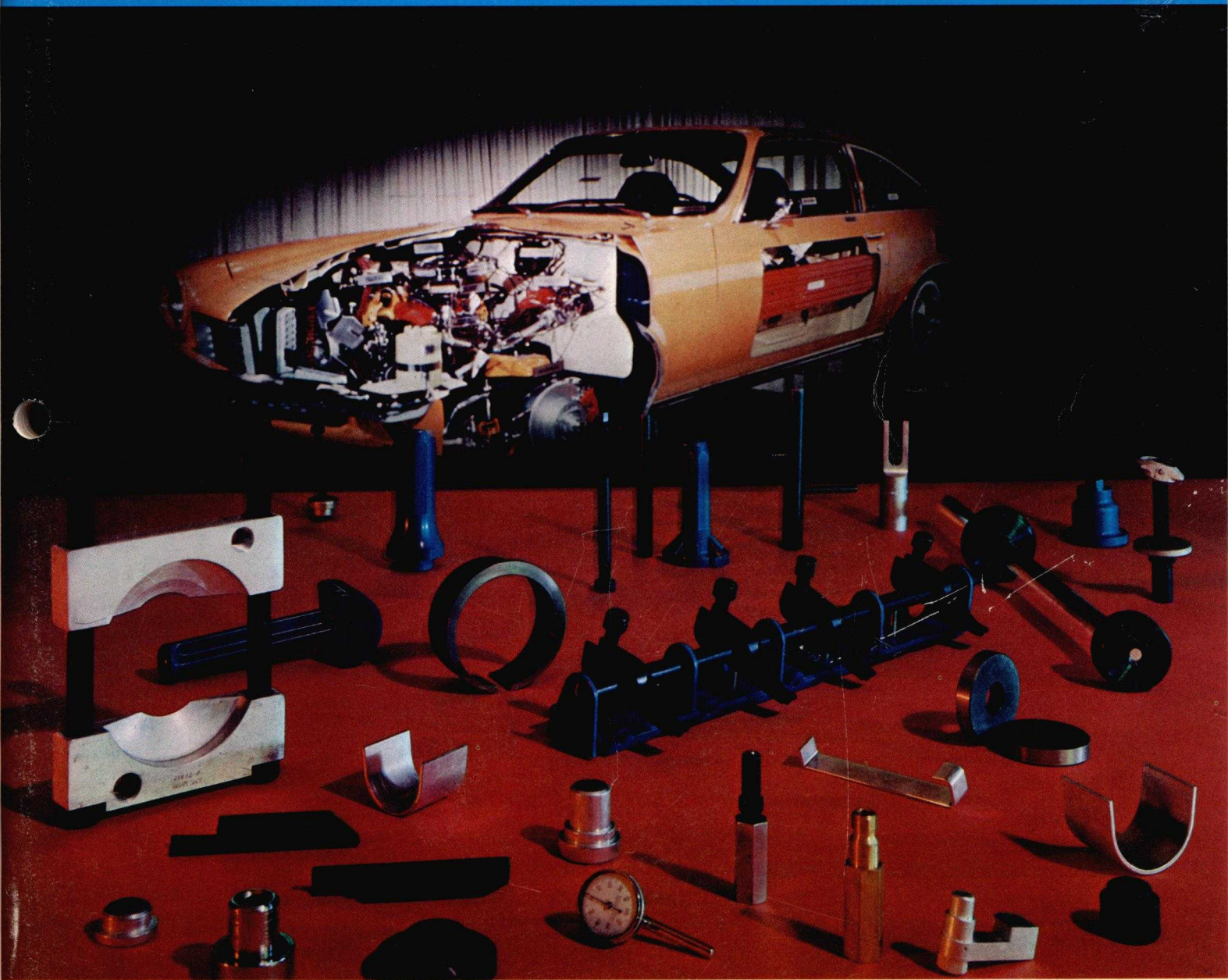


# Kent-Moore Service Tools

PASSENGER CAR EDITION—FALL 1974



**Kent-Moore**  
**TOOL DIVISION**



## INTRODUCTION

Kent-Moore "Rate-Maker" special service tools are designed in cooperation with product manufacturers to insure the proper tool is available for the job. In development of these tools many factors are considered—

1. No standard hand tool can perform the job properly.
2. The tool is designed for efficiency.
3. Parts damage is eliminated through design.
4. Profit for the service department and assurance of a job done right.

The leading manufacturers are served by Kent-Moore's research design, manufacturing and distribution facilities throughout the world.

The maintenance manuals of this impressive segment of American industry, recommend Kent-Moore tools to perform service jobs according to factory specifications. Complete step by step instructions are shown in their manuals.

All Kent-Moore tools and equipment are thoroughly inspected before leaving our plants and each customer is assured of receiving a new tool of equal quality and design as that furnished to everyone else.

Every tool must conform to rigid standards. There are no "seconds" in the Kent-Moore line.

## Doing Business With Kent-Moore Tool Division

**HOW TO ORDER** ANYONE may order Kent-Moore tools direct. Mail or phone to Kent-Moore Tool Division, 1501 S. Jackson Street, Jackson, Michigan 49203. Phone: 517-784-8561, Telex: 22-3413.

**HOW TO USE CATALOG** This catalog has been developed to help you find the special service tools you need with the least amount of effort in the least amount of time. If you know the tool number and its section of use, refer to the pages listed under the INDEX TO SECTIONS there you will find the tools you need listed in numerical sequence.

### THOSE WHO ARE ORDERING FOR THE FIRST TIME

1. State quantity, tool number and complete description of each item.
2. Order on your purchase order, letterhead paper, or use one of our self mailing order blanks.
3. Be sure you have your complete name, address, and zip code number on the order.
4. Include credit references if open account requested (bank plus two trade references).

**SHIPMENTS** f.o.b. Jackson, Michigan.

**TAXES** State and local sales and/or use tax will be added to order if applicable.

**ROUTING** Shipments will be made by any method you specify.

**CUSTOMER SPECIAL SERVICE** To assist in the unusual situation regarding:

- A. Emergency Orders—Try to call before 11:00 a.m. (EST).
- B. Service Parts—All Kent-Moore products are serviced and replacement items are available. To order or obtain price information on unidentified parts, please describe the required part as thoroughly as possible using whatever tool numbers available.
- C. Assistance in Ordering—Orders, follow-up, tracing, product information availability, pricing—contact Order Department 784-8561 or write Kent-Moore Tool Division, 1501 S. Jackson, Jackson, Michigan 49203 Telex: 22-3413.

**TERMS** Open Account (Approved credit), C.O.D. or cash (check attached).

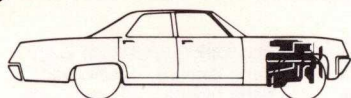
## WARRANTY

Tools are warranted for one year against defective material or workmanship, except where certificate accompanies tool.



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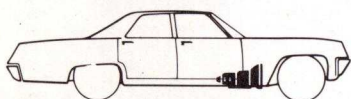
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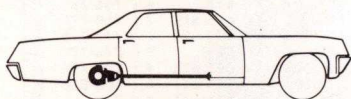
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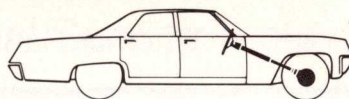
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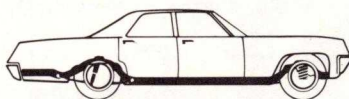
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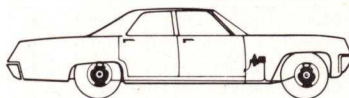
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### BRAKE

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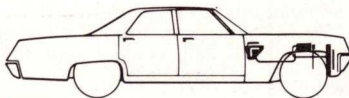
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# SHIPPING RATES

Parcel Post • Truck or Rail Freight • United Parcel Service

## PARCEL POST

PLEASE READ BELOW FOR POSTAL REGULATIONS AND LIMITATIONS NOW IN EFFECT

If destination is first class post-office in local, 1st through 8th zones inclusive, combined length and girth of package is limited to 84 inches, and maximum weight of 40 lbs.

If destination is NOT a first class post-office, the previous size of 100 inches and weight limited to 70 lbs. will continue in effect.

There are exceptions to postal regulations and limitations that do not affect our line of merchandise.

### EXCEPTIONS

Parcels weighing less than 10 pounds, and measuring over 84 inches but not exceeding 100 inches in length and girth combined, are chargeable with a minimum rate equal to that for a 10-pound parcel for the zone to which addressed.

Third class rates apply up to but not including one pound

Weight 1 lb. and not to exceed	Local Zone	Up to 150 miles 1-2	150 to 300 miles 3	300 to 600 miles 4	600 to 1,000 miles 5	1,000 to 1,400 miles 6	1,400 to 1,800 miles 7	Over 1,800 miles 8
2 pounds	\$0.61	\$0.72	\$0.75	\$0.83	\$0.92	\$1.02	\$1.12	\$1.21
3	.65	.78	.83	.92	1.04	1.18	1.32	1.45
4	.69	.84	.90	1.01	1.16	1.33	1.51	1.69
5	.73	.90	.98	1.10	1.28	1.49	1.71	1.93
6 pounds	.77	.96	1.05	1.19	1.40	1.64	1.90	2.17
7	.81	1.02	1.13	1.28	1.52	1.80	2.10	2.41
8	.85	1.08	1.20	1.37	1.64	1.95	2.29	2.65
9	.89	1.14	1.28	1.46	1.76	2.11	2.49	2.89
10	.93	1.20	1.35	1.55	1.88	2.26	2.68	3.13
11 pounds	.97	1.26	1.43	1.64	2.00	2.42	2.88	3.37
12	1.01	1.32	1.50	1.73	2.12	2.57	3.07	3.61
13	1.05	1.38	1.58	1.82	2.24	2.73	3.27	3.85
14	1.09	1.44	1.65	1.91	2.36	2.88	3.46	4.09
15	1.13	1.50	1.73	2.00	2.48	3.04	3.66	4.33
16 pounds	1.17	1.56	1.80	2.09	2.60	3.19	3.85	4.57
17	1.21	1.62	1.88	2.18	2.72	3.35	4.05	4.81
18	1.25	1.68	1.95	2.27	2.84	3.50	4.24	5.05
19	1.29	1.74	2.03	2.36	2.96	3.66	4.44	5.29
20	1.33	1.80	2.10	2.45	3.08	3.81	4.63	5.53
21 pounds	1.37	1.86	2.18	2.54	3.20	3.97	4.83	5.77
22	1.41	1.92	2.25	2.63	3.32	4.12	5.02	6.01
23	1.45	1.98	2.33	2.72	3.44	4.28	5.22	6.25
24	1.49	2.04	2.40	2.81	3.56	4.43	5.41	6.49
25	1.53	2.10	2.48	2.90	3.68	4.59	5.61	6.73
26 pounds	1.57	2.16	2.55	2.99	3.80	4.74	5.80	6.97
27	1.61	2.22	2.63	3.08	3.92	4.90	6.00	7.21
28	1.65	2.28	2.70	3.17	4.04	5.05	6.19	7.45
29	1.69	2.34	2.78	3.26	4.16	5.21	6.39	7.69
30	1.73	2.40	2.85	3.35	4.28	5.36	6.58	7.93
31 pounds	1.77	2.46	2.93	3.44	4.40	5.52	6.78	8.17
32	1.81	2.52	3.00	3.53	4.52	5.67	6.97	8.41
33	1.85	2.58	3.08	3.62	4.64	5.83	7.17	8.65
34	1.89	2.64	3.15	3.71	4.76	5.98	7.36	8.89
35	1.93	2.70	3.23	3.80	4.88	6.14	7.56	9.13
36 pounds	1.93	2.76	3.30	3.89	5.00	6.29	7.75	9.37
37	1.99	2.82	3.38	3.98	5.12	6.45	7.95	9.61
38	1.99	2.88	3.45	4.07	5.24	6.60	8.14	9.85
39	2.06	2.94	3.53	4.16	5.36	6.76	8.34	10.09
40	2.06	3.00	3.60	4.25	5.48	6.91	8.53	10.33
45 pounds	2.26	3.30	3.98	4.70	6.08	7.69	9.51	11.53
50	2.39	3.60	4.35	5.15	6.68	8.46	10.48	12.93
55	2.59	3.90	4.73	5.60	7.28	9.24	11.46	13.73
60	2.73	4.20	5.10	6.05	7.88	10.01	12.43	15.13
65	2.93	4.50	5.48	6.50	8.48	10.79	13.41	16.33
70	3.06	4.80	5.85	6.95	9.08	11.56	14.38	17.53

### PARCEL POST INSURANCE FEES

Indemnity	Insurance For Parcel Post
\$0.01 to \$15.00.....	20 cents
\$15.01 to \$50.00.....	30 cents
\$50.01 to \$100.00.....	40 cents
\$100.01 to \$150.00.....	50 cents
\$150.01 to \$200.00.....	60 cents

For fees from \$200 to \$1,000, contact your local postmaster.

## TRUCK OR RAIL FREIGHT

Rail and Truck freight rates are based on weight, kind of merchandise and distance. All freight shipments are sent "Freight Collect" and you pay the agent on delivery. Shipments of less than 100 lbs. are charged at the rate of 100 lbs. The minimum charge is the rate for 100 lbs. of the highest rated article in the shipment. It rarely pays to ship by freight unless your order weighs nearly 100 lbs. or more. Items will be shipped to you by truck or rail if not deliverable by Parcel Post or United Parcel Service.

"If due to the size and weight restrictions on Parcel Post or United Parcel Service, you must ship by either truck or rail, contact your local carrier for costs before placing your order."

## UNITED PARCEL SERVICE

RATE CHART FOR SERVICE TO STATES OF:

Alabama	Indiana	Michigan	New York	South Dakota
Arkansas	Iowa	Minnesota	North Carolina	Tennessee
Colorado	Kansas	Mississippi	North Dakota	Texas
Connecticut	Kentucky	Missouri	Ohio	Vermont
Delaware	Louisiana	Nebraska	Oklahoma	Virginia
D.C.	Maine	New Hampshire	Pennsylvania	West Virginia
Florida	Maryland	New Jersey	Rhode Island	Wisconsin
Georgia	Massachusetts	New Mexico	South Carolina	Wyoming
Illinois				

Any fraction of a pound over the weight shown takes the next higher rate

Weight Not to Exceed	RATES TO								Rates B.L. to West Coast	Weight Not to Exceed	RATES TO								Rates B.L. to West Coast
	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9			Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	
1 lb.	\$ .59	\$ .61	\$ .63	\$ .66	\$ .69	\$ .72	\$ .77	\$ .86	26lb.	\$1.96	\$2.48	\$3.13	\$3.78	\$4.56	\$5.47	\$6.64	\$8.98		
2 "	.64	.68	.73	.78	.84	.91	1.00	1.18	27 "	2.02	2.56	3.23	3.91	4.72	5.66	6.88	9.31		
3 "	.70	.76	.83	.91	1.00	1.10	1.24	1.51	28 "	2.07	2.63	3.33	4.03	4.87	5.85	7.11	9.63		
4 "	.75	.83	.93	1.03	1.15	1.29	1.47	1.83	29 "	2.13	2.71	3.43	4.16	5.03	6.04	7.35	9.96		
5 "	.81	.91	1.03	1.16	1.31	1.48	1.71	2.16	30 "	2.18	2.78	3.53	4.28	5.18	6.23	7.58	10.28		
6 "	.86	.98	1.13	1.28	1.46	1.67	1.94	2.48	31 "	2.24	2.86	3.63	4.41	5.34	6.42	7.82	10.61		
7 "	.92	1.06	1.23	1.41	1.62	1.86	2.18	2.81	32 "	2.29	2.93	3.73	4.53	5.49	6.61	8.05	10.93		
8 "	.97	1.13	1.33	1.53	1.77	2.05	2.41	3.13	33 "	2.35	3.01	3.83	4.66	5.65	6.80	8.29	11.26		
9 "	1.03	1.21	1.43	1.66	1.93	2.24	2.65	3.46	34 "	2.40	3.08	3.93	4.78	5.80	6.99	8.52	11.58		
10 "	1.08	1.28	1.53	1.78	2.08	2.43	2.88	3.78	35 "	2.46	3.16	4.03	4.91	5.96	7.18	8.76	11.91		
11 "	1.14	1.36	1.63	1.91	2.24	2.62	3.12	4.11	36 "	2.51	3.23	4.13	5.03	6.11	7.37	8.99	12.23		
12 "	1.19	1.43	1.73	2.03	2.39	2.81	3.35	4.43	37 "	2.57	3.31	4.23	5.16	6.27	7.56	9.23	12.56		
13 "	1.25	1.51	1.83	2.16	2.55	3.00	3.59	4.76	38 "	2.62	3.38	4.33	5.28	6.42	7.75	9.46	12.88		
14 "	1.30	1.58	1.93	2.28	2.70	3.19	3.82	5.08	39 "	2.68	3.46	4.43	5.41	6.58	7.94	9.70	13.21		
15 "	1.36	1.66	2.03	2.41	2.86	3.38	4.06	5.41	40 "	2.73	3.53	4.53	5.53	6.73	8.13	9.93	13.53		
16 "	1.41	1.73	2.13	2.53	3.01	3.57	4.29	5.73	41 "	2.79	3.61	4.63	5.66	6.89	8.32	10.17	13.86		
17 "	1.47	1.81	2.23	2.66	3.17	3.76	4.53	6.06	42 "	2.84	3.68	4.73	5.78	7.04	8.51	10.40	14.18		
18 "	1.52	1.88	2.33	2.78	3.32	3.95	4.76	6.38	43 "	2.90	3.76	4.83	5.91	7.20	8.70	10.64	14.51		
19 "	1.58	1.96	2.43	2.91	3.48	4.14	5.00	6.71	44 "	2.95	3.83	4.93	6.03	7.35	8.89	10.87	14.83		
20 "	1.63	2.03	2.53	3.03	3.63	4.33	5.23	7.03	45 "	3.01	3.91	5.03	6.16	7.51	9.08	11.11	15.16		
21 "	1.69	2.11	2.63	3.16	3.79	4.52	5.47	7.36	46 "	3.06	3.98	5.13	6.28	7.66	9.27	11.34	15.48		
22 "	1.74	2.18	2.73	3.28	3.94	4.71	5.70	7.68	47 "	3.12	4.06	5.23	6.41	7.82	9.46	11.58	15.81		
23 "	1.80	2.26	2.83	3.41	4.10	4.90	5.94	8.01	48 "	3.17	4.13	5.33	6.53	7.97	9.65	11.81	16.13		
24 "	1.85	2.33	2.93	3.53	4.25	5.09	6.17	8.33	49 "	3.23	4.21	5.43	6.66	8.13	9.84	12.05	16.46		
25 "	1.91	2.41	3.03	3.66	4.41	5.28	6.41	8.66	50 "	3.28	4.28	5.53	6.78	8.28	10.03	12.28	16.78		

Orders must include your street address or your route and box number if shipment is to be made via United Parcel Service.

### For Determining Zones From Jackson, Michigan

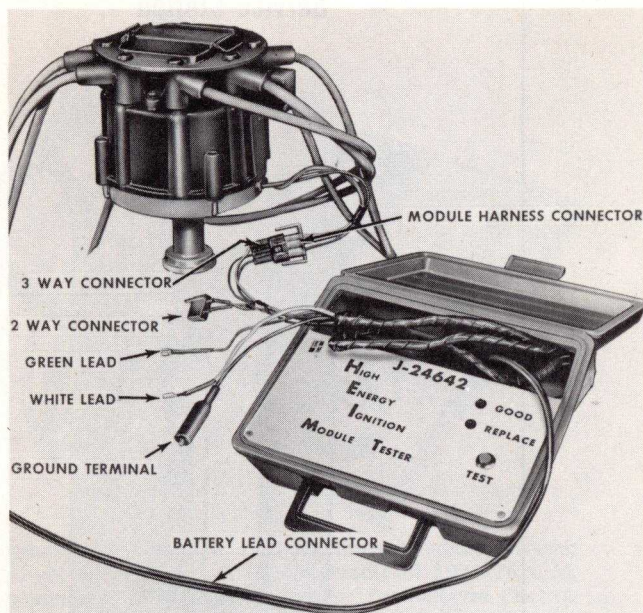
This zone chart lists the first three digits (prefix) of the ZIP Codes of the sectional center facility of address.

To determine the zone distance to a particular post office, ascertain the ZIP Code of the post office to which the parcel is addressed. The first three digits of that ZIP Code are included in this chart, and to the right thereof the zone.

Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone
010-013 4	254 4	370-374 4	474-475 3	565-567 5	703-708 5
014-033 5	255-257 3	376-386 4	476-477 4	570-577 5	710-714 5
034 4	258-259 4	387 5	478-479 3	580-587 5	716-722 5
035 5	260-266 3	388 4	480-482 2	588 6	723-725 4
036-037 4	267-268 4	389-397 5	484-487 2	592 6	726-731 5
038-049 5	270-283 4	400-406 3	488-489 2	600-606 3	734-741 5
050-054 4	284 5	407-409 4	490-491 2	609-611 3	743-752 5
056-057 4	285-293 4	410-414 3	492 2	612 4	754-763 5
058-059 5	294 5	415-418 4	493-495 2	613 3	764-765 6
060-061 4	295-297 4	420-426 4	496-499 3	614 4	766-767 5
062-063 5	298-299 5	427 3	500-508 4	615-619 3	768-770 6
064-099 4	300-303 4	430-432 3	510-516 4	620-623 4	773-775 6
100-139 4	304 5	433 2	520 4	624 3	776-777 5
140-143 3	305-307 4	434-436 2	521-528 4	625-631 4	778-799 6
144-146 4	308-329 5	437-439 3	530-537 3	633-641 4	800-816 6
147 3	330-334 6	440-443 2	538 3	644-647 4	820 6
148-149 4	335-338 5	444-447 3	539 3	648 5	821 6
150-165 3	339 6	448-449 2	540 4	650-658 4	822-826 6
166 4	350-352 4	450-457 3	541-543 3	660-662 4	827 5
167 3	354 5	458 2	544-548 4	664-679 5	828-831 6
168-191 4	355-359 4	460-462 3	549 3	680-681 4	870-871 6
193-199 4	360-361 5	463-468 2	550-551 4	683-693 5	873-875 6
200-249 4	362 4	469-472 3	553-554 4	700-701 5	877-884 6
250-253 3	363-369 5	473 2	556-564 4		



### J-24642 H. E. I. Tester



This new analyzer provides a complete "Go, No-go" check for the intricate high energy ignition distributor. Total distributor component tests can be completed in less than 10 minutes. The analyzer includes all necessary adapters for all 1975 General Motors H. E. I. equipped vehicles. Complete operating instructions are provided to perform three different means of checking the H. E. I. module.

### J-25300 Headlight Aimer



Certain 1975 G.M. automobiles will be sporting RECTANGULAR HEADLAMPS. To aim these new lamps "Kent-Moore" is introducing a new aimer designed for all sealed beam lamps both RECTANGULAR and ROUND.

The SQUARE PAIR aimers represent a new design, new materials, new concepts with major new advantages for you that include:

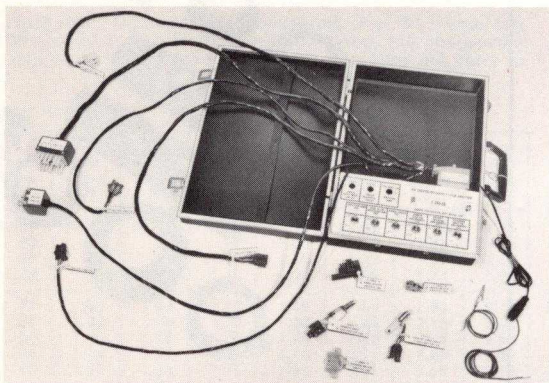
1. PUSH BUTTON VACUUM RELEASE—For quick and easy removal of the aimer without disturbing adjustment.
2. OPTICAL CONTRAST BUBBLE—Improves the bubble visibility at low light levels.
3. GRAVITY CAM FOLLOWERS—Completely eliminates back lash and gives more accurate dial readings.
4. PLANETARY GEARS—Gives four to one vernier type dial movement for accurate checking of headlight aim.
5. OFFSET DIAL—Eliminates the need for a screwdriver in floor slope compensation.



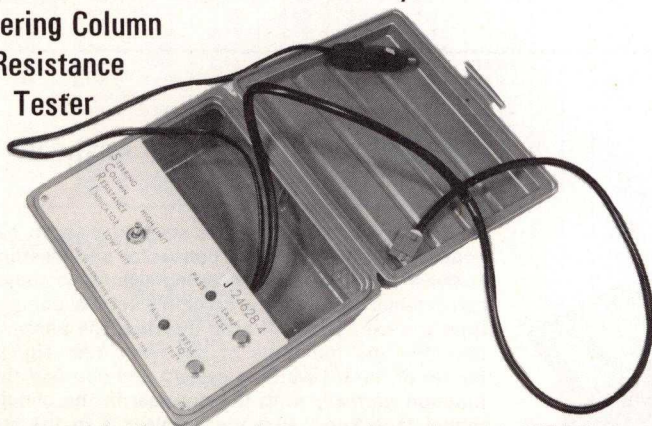
### J-23980 Steering Column Analyzer

By simply disconnecting the steering column harness connector and the chassis connector and inserting our analyzer in place of the steering column harness, you can eliminate the steering column electrical components from the car system. If after inserting the analyzer and checking the functions of the horn, turn signal, key buzzer or hazard warning system and you find them to function *normally* with the analyzer in the circuit, you would then know that the problem is in the steering column. The analyzer replaces the steering column electrical system with a known good system, the analyzer itself.

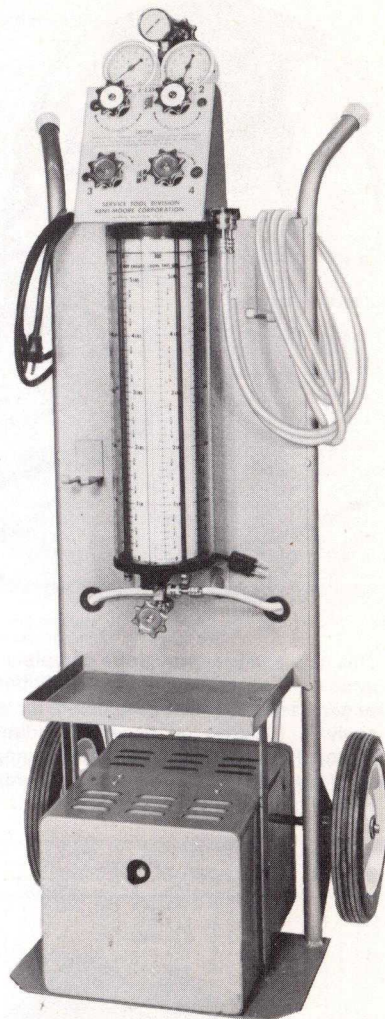


**J-24628 Air Cushion Restraint System Analyzer**

Proper diagnosis of the Air Cushion Restraint System on 1974 & 1975 G.M. equipped vehicles cannot be performed without the use of this analyzer. All necessary adapters, substitute resistance and continuity devices, and hand tools are included to pin point problem circuits. Complete instructions for use of this unit are included in the ACRS service manual. The analyzer includes: J-24628-2—Driver Module Torx Wrench, J-24628-3—Driver Module Connector Extractor, J-24628-11—"B" Bus substitute load, J-24628-12—"A" Bus Substitute Load, J-24628-13—Passanger Inflator Substitute Load, J-24628-12—Bumper Detector Substitute Load, J-24628-15—Driver Inflator Substitute Load.

**J-24628-4 Air Cushion Restraint System Steering Column Resistance Tester**

When any service is performed on a steering column on 1974 & 1975 G.M. vehicles equipped with ACRS, it is necessary to use this tester to determine if the resistance in the steering column ACRS components is within specifications. Refer to the ACRS service manual for complete instructions on the use of this tester.

**J-23500 Portable Air Conditioner Service Station**

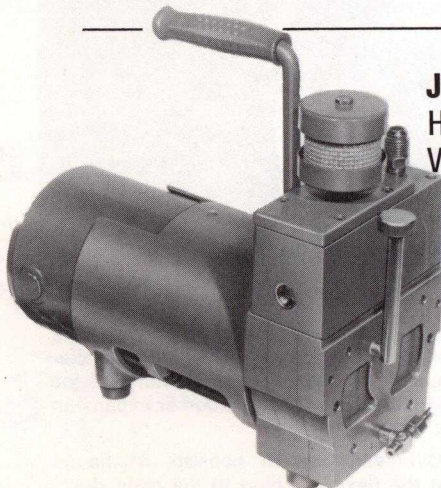
Features: Vacuum Pump—quick, efficient, durable—pulls practically absolute vacuum on any car conditioner, facilitating removal of moisture and contamination. Control Panel Assembly—complete with manifold, 500 pound and combination low pressure vacuum gauges. Five U.S. Rubber high-strength hoses, quick connect adapters, control valves and readily visible compact instructions. Refrigerant Drum Adapter—J 8695-18 and Gauge Adapters J 5420 and J 9459 for Schrader valves included. Charging Cylinder (Heated)—Eliminates weighing refrigerant. Completely shielded with high strength plastic for complete safety. Sturdy Construction—Big wheels and no slide design make the unit completely portable and practical.



**J-23678 Air-Conditioner Comfortron Tester**



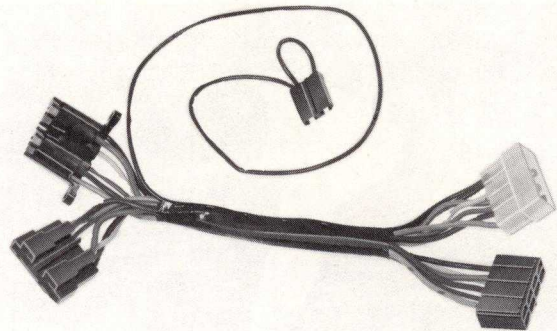
This instrument is designed to check the temperature sensing element, vacuum and electrical components of 1971-75 G.M. vehicles equipped with Delco Automatic Temperature Control. This instrument permits complete over-ride of the automatic programmer without removing it from the vehicle to determine whether air conditioning or heating malfunction is in the programmer or elsewhere in the air conditioning system.



**J-24364  
High Capacity  
Vacuum Pump**

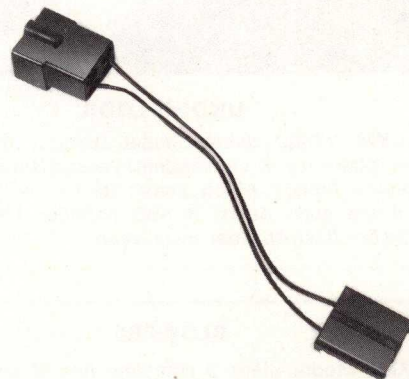
This special high capacity vacuum pump was designed for faster moisture removal than any competitive pump on the market today. Utilizing a unique design, the pump circulates and cleans the oil constantly to remove moisture and other undesirable gases. The pump is also equipped with a vented exhaust to allow a controlled quantity of atmospheric air to enter the exhaust chamber during the exhaust phase of the cycle. This injected air decreases the compression ratio of the pump, thereby preventing vapors from recondensing.

**J-24774 Automatic Climate Control  
Harness Adapter**



The J 24774 adapter is required to adapt KM tester J 23678 to the 1974 Pontiac and the 1974 and 1975 Cadillac Delco Automatic Air Conditioning System. This adapter is also required when diagnosing the automatic air conditioning system on the 1975 Chevrolet and Buick vehicles. 1975 Buick also requires an additional adapter harness J 24774-75 (see below).

**J-24774-75 Automatic Climate  
Control Harness Adapter**



The J-24774-75 Adapter is used in conjunction with both J-23678 and J-24774 to service the automatic air conditioning systems of the 1975 Buick vehicles.



**MONOXIVENT**—*the original line of exhaust eliminating equipment*

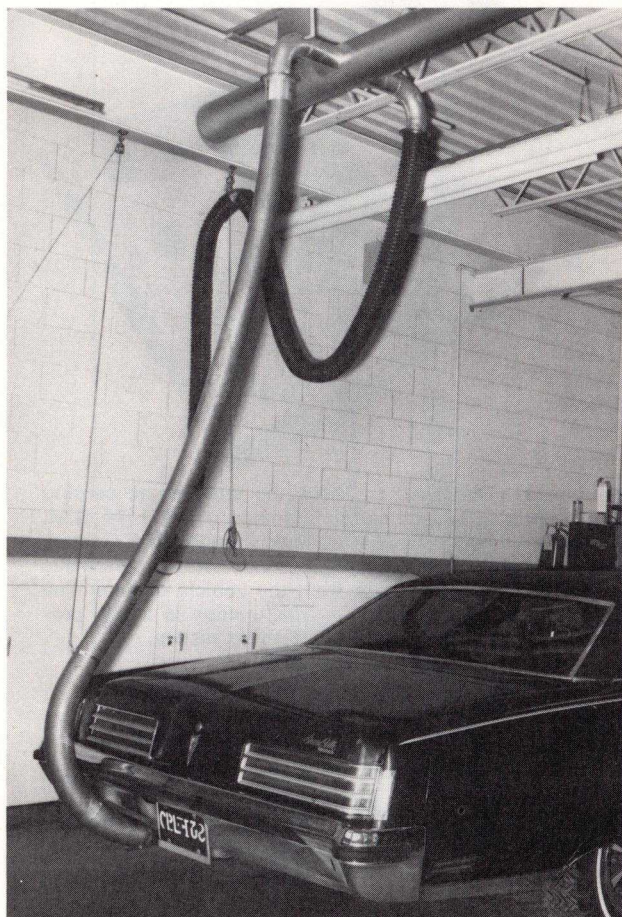
Kent-Moore offers complete Monoxivent exhaust eliminating systems for both underfloor and overhead installations.

**UNDERFLOOR**

The KM 23660 deluxe outlet features interchangeable adapter plates to accommodate various tubing sizes plus telescoping fittings which permit its use with transite and vitrified tile main ducts. It also provides the adjustability required for flush-to-floor installation.

**BLOWERS**

Kent-Moore offers a complete line of low cost but efficient, dependable blowers.

**OVERHEAD**

The Monoxivent Overhead System was designed with cost, ease of installation and simplicity in mind. Overhead installations are particularly suitable for use in new multi-story service facilities; for existing buildings; and the addition or expansion to an existing exhaust system.















The Monoxivent Overhead System consists of flange adapters—for adapting the flexible tubing to the main duct; lifting straps—for attachment of rope or cable to the flexible tubing; winch, rope and pulleys—for raising and lowering the flexible tubing; and a properly sized blower.

Each part may be purchased separately and you need only order those parts which you can use.





The Kent-Moore *Monoxivent* line is sold through manufacturers representatives who can answer your questions, recommend suggested systems which meet local codes and install the system. Just call 517-ST4-8561 or write 1501 S. Jackson St., Jackson, Michigan 49203 for the name of the representative in your area.




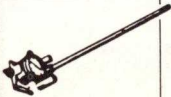
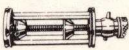

**General**
**ALTERNATOR, GENERATOR AND STARTER TOOLS**

	J 5184	Brush Tension Scale	ALL—Generators & Starters		J 21053	Alternator Output Test Adapter (Jumper Wire)	DELCO TRON & MOTOROLA
	J 9600-2	Diode Installer	DELCO TRON		J 21154	Bearing & Snap Ring Installer	MOTOROLA
	J 9717-1	Diode Remover	DELCO TRON		J 21155	Bearing Remover	MOTOROLA
	J 9717-2	Diode Support	DELCO TRON		J 21156	Front Housing to Rotor Installer	MOTOROLA
	J 9782-1	Jumper Lead	DELCO TRON & MOTOROLA		J 21157	Snap Ring Remover #23-45° (Internal)	MOTOROLA
	J 9782-3	Four-Wire Connector	MOTOROLA & DELCO TRON		J 21501	Torque Adapter—Pulley Retaining Nut	DELCO TRON
	J 21008	Diode Test Light & Continuity Checker	ALL		J 23526	Alternator Diode Remover & Installer	OPEL—1969

**BATTERY TOOLS**

	J 8047	Battery Post & Terminal Cleaning Brush	ALL		J 23688	Hydro-Spy (See page 22)	ALL
	J 8127	Battery Service Tool Set	ALL				
	J 23686	Battery Carrying Tool	ALL				

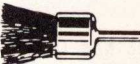

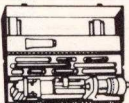
**CYLINDER BLOCK AND HEAD TOOLS**

	J 5347-01	Dial Bore Gauge 3" to 8" Range (used with J 23059-01)	ALL		J 8087	Cylinder Bore Checking Gauge (Range 2 1/2" to 9")	ALL
	J 5902-01	Cylinder Hone (2 1/2" to 5 3/4")	ALL		J 8089	Carbon Removing Brush	ALL—CAST IRON HEADS









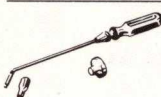


**General**

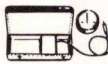
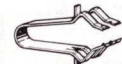

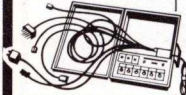

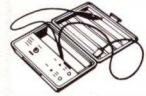






## CYLINDER BLOCK AND HEAD TOOLS (Continued)

	J 8358	Carbon Removing Brush (Aluminum Heads)	ALL		J 24270	Ridge Reamer (Range 3" to 5")	ALL
	J 23059-01	Dial Bore Gauge Setting Master 3" to 8" Range (Used with J 5347-01)	ALL				

## DISTRIBUTOR TOOLS





	J 5727-02	Distributor Wrench	BUICK thru 1974		J 22967-01	Carburetor and Distributor Adjusting Tool (Includes 1/8" Key Bit Assy., Screw Driver Bit)	ALL—Delco with Side Opening
	J 8009	Distributor Cap Terminal Cleaner	ALL		J 24578	High Energy Ignition (HEI) Distributor Wrench	ALL GM
	J 9534-01	Distributor Shaft Pilot Bearing Remover	ALL		J 24642	High Energy Ignition (HEI) Tester	72-75 PONTIAC 74-75 ALL GM
	J 10250-01	Distributor Tool Kit	HOLLEY		J 24642-2	Unit Ignition	72-74 PONTIAC
	J 22646	Carburetor & Distributor Adjusting Tool	CAD. thru 1975				

## ELECTRICAL







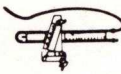


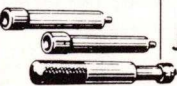
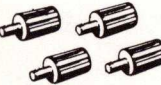









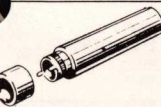

	J 8681	Short Checker	UNIVERSAL		J 24388	Starter Interlock & Air Cushion Restraint System Harness Connector Extractor	74-75 GM
	J 21350	Spark Plug Terminal Clip Pliers	ALL		J 24628	Air Cushion Restraint System (ACRS) Tester (see page 2)	ALL GM CARS 1974-75
	J 22516	Starter Pole Screw Wrench	AMC—1966-1975		J 24628-4	Air Cushion Restraint System (ACRS) Resistance Tester (see page 4)	ALL GM CARS 1974-75
	J 22694	Spark Plug Socket (All 5/8" Hex Plugs)	ALL GM		J 25097	Module Retaining Screw Wrench	PRESTOLITE IGNITION AMC 1975
	J 22727	Terminal Remover	AMC, GM		J 25331	Electronic Ignition Pulse Simulator	AMC 1975
	J 23040	Tac-Cal Tachometer Calibrating Device (see page 22)	ALL Electronic Tachometers				
	J 23980	Steering Column Analyzer (Electrical Components) (see page 2)	1969-75 GENERAL MOTORS 1970-73 AMC				



**General**
**VOLTAGE REGULATOR TOOLS**

	J 7099	25 Ohm, 25 Watt Variable Resistor	ALL—Delco Dual Point Regulator		J 21600	Wiring Harness Test Adapter	ALL—Transistorized Regulators
	J 7590	Voltage Regulator Gauge Set	ALL		J 22973	Thermometer-Voltage Regulator & Ther-Mac (60° F-160° F)	ALL




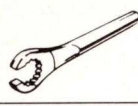








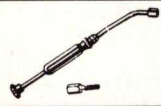
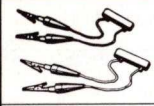





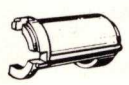

**CARBURETOR, FUEL INJECTION & GENERAL FUEL TOOLS**

	J 1137	Bending Tool (Choke Rod)	AMER. MTRS—Carter WCD		J 10183	Fuel Inlet Seat Socket	HOLLEY Models 885-1901-2140-4000 (Center Inlet Model 4150 & 4160)
	J 4552	Bending Tool (Choke Rod)	BUICK, OLDS—All with Rochester except Quadrajets AMER. MTRS.—All		J 10185-01	Power Valve Socket	HOLLEY Models 847, 1904 & G, 1908, 1909, 1960, 852 G, 885 & G, 1901 & G, 5200
	J 5197	Bending Tool (Unloader)	GM—Rochester Quadrajets		J 10186	Inlet Valve Plug Socket	HOLLEY Models 885 & G, 1901 & G, 2140 & G, 2140 SG, 4000 & G
	J 7090-01	Fuel Injection Calibrating Gauge	ALL MECHANICAL Fuel Injection		J 10187	Governor Diaphragm Gauge	HOLLEY—All Centri Vac Governors
	J 8124-01	Blow Gun for Port Cleaning	ALL		J 10195	Staking Tool Set	HOLLEY Models 2140 & 4000
	J 8328	Carburetor Holding Tool (Set of 4)	ALL		J 10198	Hook Ring	HOLLEY
	J 8381	Gas-Per-Mile-Gauge (1/10 gal.)	ALL cars with engine mounted fuel pump		J 10200-03	Carburetor Tool Kit	HOLLEY
	J 9709-01	Gas-Per-Mile Gauge	VOLKSWAGEN		J 10205-03	Carburetor Tool Kit	HOLLEY
	J 9789-01	Universal Carburetor Gauge Set (32 Wire Gauges .015-.260, 8 Plug Gauges .275-500, Adjustment Sliding Drop Gauge) Float	ALL		J 10206	Governor Assembly and Adjusting Set	HOLLEY
	J 10176	Fast Idle Wrench	CHEV.—1968 HOLLEY Models 2300-4150 G		J 10234-01	Power Valve & Spark Valve Socket	ALL HOLLEY Models except 847, 1920, 1931, 1970, 852 G, 885 & G, 2209, 2300 & G
	J 10182	Vacuum Piston Socket	CHEV.—1968 HOLLEY Models 852-885JJ		J 10235	Vacuum Piston Puller	HOLLEY Models 847, 852 G, 885 & G, 2209


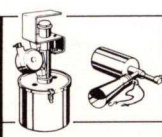
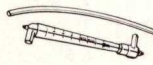



For complete tool listing and price information, refer to the Numerical Price List.



**General****CARBURETOR, FUEL INJECTION & GENERAL FUEL TOOLS**  
(Continued)

	J 10236-01	Vacuum Piston Installer	HOLLEY Models 847, 852 G, 885 & G, 2209		J 23433	Multiple Carburetor Synchronizer	ALL—Dual Carb. Systems
	J 10237-02	Vacuum Piston Staking Tool	HOLLEY Models 847, 852 G, 885 & G, 2209		J 23443	Fuel Inlet Nut Wrench	ALL GM—Rochester Quadrajets
	J 21685	Carburetor Chain Gauge	OPEL KADETT—1963-67		J 23738	Hand Operated Vacuum Device	ALL
	J 22109	Carburetor Needle and Seat Tester	BUICK—1966-75 (Quadrajets)		J 23951	Carburetor Throttle Plate Calibrator	OPEL—All 1.9 Litre Engine
	J 22243	Gas-Per-Mile Gauge	ALL CARS		J 24156	Gas Gauge Tester	ALL GM
	J 22514	Bending Tool	EARLY MODEL—Rochester Quadrajets		J 24187	Fuel Tank Sending Unit Remover & Installer (For 3.10 Retaining Ring Dia.)	ALL GM—1967-75
	J 22646	Remote Control Carburetor Adjusting Wrench	AMC & ALL CAD. thru 1975		J 24419	Fuel & Temp. Gauge Test Harness	OPEL—1973-75
	J 22769	Needle Valve Seat Remover & Installer	ALL GM—Quadrajets		J 24538	Universal Fuel & Temperature Gauge Tester	ALL CARS
	J 22967-01	Remote Control Carburetor Adjusting Wrench (Includes 1/8" Hex Key, Screw Driver Bit)	ALL GM & AMER. MTRS. (For Air Cleaner "on" Adjustment) (except Cadillac)		J 25322	Pump Lever Pin Punch	1975 Quadra-Jet
	J 22973	Ther-Mac Thermometer (60° F-160° F)	ALL GM—1968-75				
	J 23346	Fuel Tank Sending Unit Remover & Installer (For 1.92 Retaining Ring Dia.)	GM thru 1975				
	J 23417	Choke Lever Installing Tool	1975 Quadra-Jet				



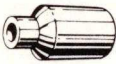




**EMISSION EQUIPMENT**

	J 23040	Tac-Cal	ALL Electronic Tachometers		J-25077	Catalytic Converter Bead Exchanger (See Page 89)	ALL with AC Converter
	J 23111	PCV Valve Tester	ALL AMC		J 25254-1	Thermal Sensor Switch Wrench (1 1/16")	ALL GM—1973-75
	J 24841	EGR Port Cleaning Tool	74-75 BUICK		J 25254-2	Thermo Sensor Switch Wrench (1 1/4")	ALL GM—1973-75












**General**









## ENGINE OIL FILTER AND SIGNAL SWITCH TOOLS

	J 21757-02	Oil Signal-Switch Wrench	ALL GM		J 23965	Oil Filter Wrench	AMC
	J 22385	Oil Pressure Sending Unit Socket (Stoplight Sending Unit Socket)	AMC 1965-75		J 25087	Engine Oil System Pressure Diagnostic Tester & Oil Pump Primer	ALL Engines
	J 22700	Oil Filter Wrench	ALL—Disposable Filters Except Opel		J 25225	Oil Filter Wrench	Foreign Cars 71MM thru 79MM (2 <sup>51</sup> / <sub>64</sub> " to 3 <sup>3</sup> / <sub>64</sub> " )
	J 22775	Oil Filter Wrench (Disposable Filters)	ALL GM—1968-75 except Opel				

## COOLING SECTION

	J 23636	Upper Radiator Hose Clamp Gauge	CAD. 1970-75		J 24731-200	Tempilstick (200°F)	UNIVERSAL
	J 23699	Radiator Test Adapter (Pressurize through Overflow Tank)	CAD. 1970-75		J 24731-206	Tempilstick (206°F)	UNIVERSAL
	J 24460	Radiator Cap & Cooling System Tester	UNIVERSAL		J 24731-231	Tempilstick (231°F)	UNIVERSAL
	J 24672	Radiator Cap Remover & Installer	UNIVERSAL		J 25061	3 Lead Temperature Tester (10 ft. leads)	UNIVERSAL
	J 24731-188	Tempilstick (188°F)	UNIVERSAL				


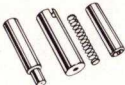
## PISTON TOOLS

	J 1218	Piston Vise	ALL		J 6901-03	Piston Pin Service Set	ALL—Pontiac
	J 3936-03	Piston Ring Groove Cleaner	ALL		J 6994-04	Piston Pin Service Set	CHEVROLET—Mark Engine
	J 5513	30 lb. Piston Fitting Feeler and Scale (.0015 Feeler Size)	ALL		J 8390-04	Piston Pin Service Sets	ALL—Cad.
	J 6047-03	Piston Pin Service Set	BUICK—V-8		J 9510-04	Piston Pin Service Set	ALL—Chev. Engines except Mark




For complete tool listing and price information, refer to the Numerical Price List.




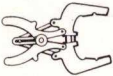
**General****PISTON TOOLS**  
(Continued)

	J 21872	AMC Piston Pin Service Set	ALL except 390-401 V-8		J 23194	AMC Piston Pin Service Set	390-401 Cubic Inch V-8
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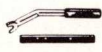
**STANDARD AND OVERSIZE PISTON RING COMPRESSORS**

	Tool No.	J 4460	J 5569	J 5601	J 5684	J 6647	J 8910	J 9370-01	J 21006		
	Size	3 $\frac{1}{16}$ "	4"	3 $\frac{3}{4}$ "	4 $\frac{1}{8}$ "	3 $\frac{7}{8}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{4}$ "	4 $\frac{3}{16}$ "		
	Tool No.	J 21158	Solid J 22095	J 22562	J 22666	Solid J 22748	J 22965	J 22966	J 23197	J 23503	
	Size	4 $\frac{5}{16}$ "	4.129"	3 $\frac{23}{32}$ "	4.08"	4.300"	3.800	4.040	4.165"	4.151	
	J 8037	Piston Ring Compressor	ALL			J 8356	Piston Ring Compressor	CORVAIR			

**PISTON RING REMOVERS AND INSTALLERS**

	Tool No.	J 8014	J 8018	J 8027	J 22249	J 22903	J 23196
	Size	3 $\frac{3}{8}$ "	3 $\frac{1}{16}$ "	3 $\frac{5}{8}$ "	3 $\frac{15}{16}$ "	4 $\frac{5}{16}$ "	4.165"
	J 25220	Universal Piston Ring Expander 3" to 4"					


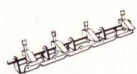

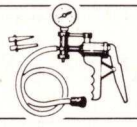



**VALVE TOOLS**

	J 5892-1	Valve Spring Compressor	OLDS.—ALL, CADILLAC 365, 390 CHEV.—ALL except Vega		J 8101	Valve Guide Cleaner	ALL
	J 8056	Valve & Clutch Spring Tester	ALL		J 8929-02	Valve Spring Compressor	PONTIAC ALL V-8
	J 8062	Valve Spring Compressor	ALL		J 21931-01	Valve Spring Compressor	AMC 199, 232, 258




**General**


**VALVE TOOLS**  
(Continued)

	J 22534	Valve Spring Compressor	AMC 290, 304, 343, 360, 390, 401		J 23591	Camshaft Remover & Installer	CHEV., PONT. OHC-4
	J 22738-02	Valve & Clutch Spring Tester	ALL CARS		J 23994	Valve Seal Tester	ALL—except Umbrella Stem Seals
	J 22765	Valve Spring Compressor	CADILLAC 472 & 500		J 23995	Valve Spring Compressor (Use with J 23591)	CHEV. PONT.—OHC-4 (140 CBI)
	J 22891	Valve Spring Compressor	BUICK, PONTIAC L-6, 250				


**VALVE GUIDE REMOVERS**  
(Pilot Diameters Represent Approx. Valve Guide I. D. Size)

		PILOT DIAMETER	APPLICATION		PILOT DIAMETER	APPLICATION
	J 267	21/64	Buick, Olds, Tempest, Pontiac	J 3062	11/32	Cadillac, Olds
	J 269	3/8	Buick	J 5600	7/16	Chevrolet

**VALVE GUIDE INSTALLERS**  
(Pilot Diameters Represent Approx. Valve Guide I. D. Size)

		PILOT DIAMETER	APPLICATION		PILOT DIAMETER	APPLICATION
	J 8813	23/64	Buick	J 22315	11/32	Cadillac
	J 21281	11/32	Corvair			

**VALVE GUIDE REAMERS\***

		NOM-INAL SIZE	OVER-SIZE	APPLICATION		NOM-INAL SIZE	OVER-SIZE	APPLICATION		NOM-INAL SIZE	OVER-SIZE	APPLICATION
	J 129-2	11/32	STD	All Cars	J 6042-4	3/8	.030	American Motors	J 8003	3/8	STD	Buick
	J 3060	11/32	STD	All Cars	J 6042-5	3/8	.015	American Motors	J 8814	11/32	STD	Buick, Temp.
	J 4822	11/32	STD	Chevrolet	J 6621	11/32	.005	Pontiac	J 9345-1	3/8	.010	Buick
	J 5830-1	11/32	.003	GM, AMC	J 7049-1	7/16	.003	Chevrolet	J 21282	33/64	.010	Corvair
	J 5830-2	11/32	.015	Chevrolet, AMC, Olds., Buick, Pont.	J 7049-2	7/16	.015	Chevrolet	J 21283	33/64	.020	Corvair
	J 5830-3	11/32	.030	Chevrolet, AMC, Olds., Buick, Pont.	J 7049-3	7/16	.030	Chevrolet	J 21318	11/32	STD	Corvair
	J 5830-4	11/32	.010	Buick, Chevrolet	J 7049-4	3/8	.003	Chevrolet	J 21702	7mm	.003	Opel Kadett
	J 5830-5	11/32	.020	Chevrolet Corvair	J 7049-5	3/8	.015	Chevrolet	J 21703	7mm	.006	Opel Kadett
	J 5830-6	11/32	.006	Cadillac	J 7049-6	3/8	.030	Chevrolet	J 21704	7mm	.010	Opel Kadett
	J 5830-7	11/32	.013	Cadillac	J 7049-7	3/8	STD	Chevrolet	J 22612	3/8	.006	Buick
	J 6042-1	3/8	.003	American Motors	J 7049-8	7/16	STD	Chevrolet	J 22917-1	9mm	.004	Opel Kadett
					J 7049-9			Leather Holder For Reamers	J 22917-2	9mm	.006	Opel Kadett
									J 22917-3	9mm	.0118	Opel Kadett


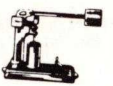

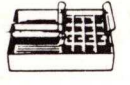


\*J 5830-02 — Valve Guide Reamer Set — Consists of J 5830-1-2-3-4-5

\*J 7049 — Valve Guide Reamer Set — Consists of J 7049-1-2-3-4-5-6-7-8-9







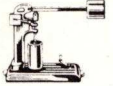



**General**

## HYDRAULIC VALVE LIFTER TOOLS &amp; EQUIPMENT

	J 3049	Hydraulic Valve Lifter Remover	ALL		J 5790	Hydraulic Valve Lifter Leakdown Tester (Includes one gallon J 5268 Test Oil)	ALL
	J 4160	Hydraulic Valve Lifter Plunger Remover	ALL		J 5821	Valve Lifter Cleaning Tank	ALL
	J 5268	One Gallon of Hydraulic Valve Lifter Tester Oil (Use with J 5790)	ALL		J 9290-01	Hydraulic Valve Lifter Remover	ALL

**Special Tools**






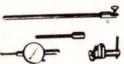



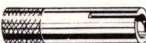

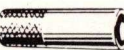

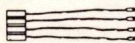
## AMC

			Alum. 6 196	Over Head 6 196	L Head 6 196	6 199	6 232	6 258	V-8 250	V-8 287	V-8 290	V-8 304	V-8 327	V-8 343	V-8 360	V-8 390	V-8 401
	J 1137	Fast Idle & Unloader Bender	← CARTER WCD →														
	J 5569	Piston Ring Compressor (4")											X				
	J 5601	Piston Ring Compressor (3.75")				X	X	X		X	X	X					
	J 5661-01	Pump Discharge Needle Seat Remover	← CARTER RBS →														
	J 5790	Hydraulic Valve Lifter Leakdown Tester (Includes One Gallon J 5268 Test Oil)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5830-1	11/32" Valve Guide Reamer—.003" O.S.—1961-64	X														
	J 5830-2	11/32" Valve Guide Reamer—.015" O.S.—1961-64	X														
	J 5830-3	11/32" Valve Guide Reamer—.030" O.S.—1961-64	X														


















# Special Tools

## AMC (Continued)

			Alum. 6 196	Over Head 6 196	L Head 6 196	6 199	6 232	6 258	V-8 250	V-8 287	V-8 290	V-8 304	V-8 327	V-8 343	V-8 360	V-8 390	V-8 401
	J 5959-4	"C" Clamp w/3/8 Dia. x 8" Extension Rod for Mounting Dial Indicator	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 6042-1	3/8" Valve Guide Reamer—(.003" O.S.)				X	X	X			X	X		X	X	X	X
	J 6042-4	3/8" Valve Guide Reamer—(.030" O.S.)				X	X	X			X	X		X	X	X	X
	J 6042-5	3/8" Valve Guide Reamer—(.015" O.S.)				X	X	X			X	X		X	X	X	X
	J 8056	Valve & Clutch Spring Tester	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 8520	Cam Lobe Lift Indicator	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 9163	Front Cover Crankshaft Seal Installer								X			X				
	J 9233	Front Cover Crankshaft Seal Remover & Pinion Oil Seal Remover						X	X	X	X		X	X		X	
	J 9256	Front Cover Crankshaft Seal Remover	X	X	X	X	X	X									
	J 9600-2	Diode Installer-Alternator	← DELCOTRON →														
	J 9717-1	Diode Remover	← DELCOTRON →														
	J 9717-2	Diode Support	← DELCOTRON →														
	J 9782-1	Jumper Lead	← DELCOTRON →														
	J 9782-3	Adapter (4-Wire Lead)	← DELCOTRON →														








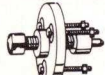
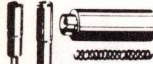








**Special Tools**AMC  
(Continued)

			Alum. 6 196	Over Head 6 196	L Head 6 196	6 199	6 232	6 258	V-8 250	V-8 287	V-8 290	V-8 304	V-8 327	V-8 343	V-8 360	V-8 390	V-8 401
	J 9789-01	Carburetor Gauge Set	ALL CARBURETORS														
	J 10174-01	Carburetor Main Jet Remover	ALL HOLLEY & AMER. MTRS 2100 & 6200														
	J 10184	Needle Seat Remover & Installer	CARTER WCD & AMER. MTRS. 2100 & 6200														
	J 10185-01	Power Valve Socket (Small)	CARTER WCD & AMER. MTRS. 2100 & 6200														
	J 10234-01	Carburetor Power Valve Socket	2300-4160-4150 HOLLEY														
	J 10235	Power Valve Piston Remover	1909 & 2209 HOLLEY														
	J 10236-01	Power Valve Piston Installer	1909 & 2209 HOLLEY														
	J 10237-02	Power Valve Piston Staking Tool	1909 & 2209 HOLLEY														
	J 10238	Float Level Gauge	1909 & 2209 HOLLEY														
	J 10240	Fuel Needle Remover & Staking Tool	1909 HOLLEY														
	J 21008	Diode Continuity Test Light	ALL ALTERNATORS														
	J 21040	Float Level Gauge	CARTER WCD PRIOR TO 1966														
	J 21053	Alternator Output Test Adapter	ALL ALTERNATORS														
	J 21154	Bearing Installer	MOTOROLA ALTERNATOR														
	J 21155	Bearing Remover	MOTOROLA ALTERNATOR														



# Special Tools






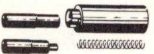


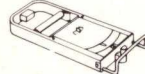

AMC  
(Continued)

			Alum. 6 196	Over Head 6 196	L Head 6 196	6 199	6 232	6 258	V-8 250	V-8 287	V-8 290	V-8 304	V-8 327	V-8 343	V-8 360	V-8 390	V-8 401
	J 21156	Front Housing To Rotor Installer	←————— MOTOROLA ALTERNATOR —————→														
	J 21157	Snap Ring Pliers #23 Internal 45° Tips	←————— MOTOROLA ALTERNATOR —————→														
	J 21202	Pump Installer & Step-Up Rod Retainer Installer	←————— CARTER RBS —————→														
	J 21309	Rear Main Bearing Oil Seal Installer	X	X	X	ALL 1956											
	J 21315	Rear Main Bearing Oil Seal Installer								X			X				
	J 21791-01	Vibration Damper Remover	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 21872	Piston Pin Remover & Installer	X	X	X	X	X	X	X	X	X	X	X	X	X		
	J 21881	Cylinder Head Bolt Wrench		X													
	J 21882	Oil Inlet Tube Installer				X	X	X									
	J 21884	Hydraulic Tappet Remover				X	X	X									
	J 21931-01	Valve Spring Compressor				X	X	X									
	J 22248	Timing Chain Cover Align- ment Tool & Seal Inst.				X	X	X									
	J 22385	Oil Pressure Sending Unit Wrench	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 22516	Starter Pole Screw Wrench	←————— 1966-67 (290 & 343 V-8's)/1968-75 All —————→														
	J 22533	Timing Chain Cover Seal Installer									X	X		X	X	X	X



For complete tool listing and price information, refer to the Numerical Price List.



**Special Tools****AMC  
(Continued)**

			Alum. 6 196	Over Head 6 196	L Head 6 196	6 199	6 232	6 258	V-8 250	V-8 287	V-8 290	V-8 304	V-8 327	V-8 343	V-8 360	V-8 390	V-8 401
	J 22534	Valve Spring Compressor									X	X		X	X	X	X
	J 22666	Piston Ring Compressor (4.08")												X	X		
	J 22700	Oil Filter Wrench	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 22967-01	Carburetor and Dist. Adj. Tool	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 23111	PCV Valve Tester	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 23194	Piston Pin Remover & Installer														X	X
	J 23196	Piston Ring Remover & Installer (4.165")														X	X
	J 23197	Piston Ring Compressor (4.165")														X	X
	J 23600	Belt Tension Gauge	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 23965	Oil Filter Wrench				X	X	X		X			X				











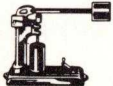
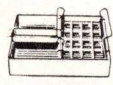



**BUICK**

			L-6 250	V-6 225	V-6 231	V-8 260	V-8 300	V-8 340	V-8 350	V-8 400	V-8 400P	V-8 401	V-8 425	V-8 430	V-8 455
	J 129-2	1 1/32" Valve Guide Reamer—	X	X	X		X	X				X	X		
	J 269	Valve Guide Remover										X	X		



# Special Tools


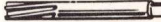
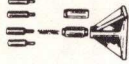

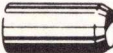










## BUICK (Continued)

			L-6 250	V-6 225	V-6 231	V-8 260	V-8 300	V-8 340	V-8 350	V-8 400	V-8 400P	V-8 401	V-8 425	V-8 430	V-8 455
	J 1218	Piston Vise	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 3049	Valve Lifter Remover	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 4160	Hydraulic Valve Lifter Plunger Remover	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5184	Generator Brush Tension Scale	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5239	Connecting Rod Bolt Guide Set	X						X			X	X	X	X
	J 5268	Hydraulic Valve Lifter Test Fluid (Use w/J 5790) 1 Gallon	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5601	Piston Ring Compressor 3 3/4"		X			X	X							
	J 5684	Piston Ring Compressor 4 1/8"								X					
	J 5715	3/8" Rocker Arm Stud Reamer (.003" O.S.)	X												
	J 5727-02	Distributor Wrench (NON HEI)	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5790	Hydraulic Valve Lifter Leakdown Tester (Includes One Gallon J 5268 Test Oil)	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5821	Valve Lifter Cleaning Tank	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 5830-1	11/32" Valve Guide Reamer (.003" O.S.)	X	X	X	X	X	X							
	J 5830-2	11/32" Valve Guide Reamer (.015" O.S.)	X												
	J 5830-3	11/32" Valve Guide Reamer (.030" O.S.)	X												

For complete tool listing and price information, refer to the Numerical Price List.








**Special Tools**BUICK  
(Continued)

			L-6 250	V-6 225	V-6 231	V-8 260	V-8 300	V-8 340	V-8 350	V-8 400	V-8 400P	V-8 401	V-8 425	V-8 430	V-8 455
	J 5830-4	11/32" Valve Guide Reamer (.010" O.S.)	X	X	X	X	X	X							
	J 6036	3/8" Rocker Arm Stud Hole Reamer (.013" O.S.)	X												
	J 6047-03	Piston Pin Installer Tool Set		X	X		X	X	X					X	X
	J 6647	Piston Ring Compressor (37/8")	X												
	J 6880	Rocker Arm Stud Installer	X												
	J 6978-04	Vibration Damper and Crankshaft Gear Remover	X												
	J 8003	Valve Guide Reamer .375 (standard)							X	X		X	X	X	X
	J 8037	Piston Ring Compressor (Adjustable)	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 8062	Valve Spring Compressor	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 8080	Main Bearing Shell Remover	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 8089	Carbon Removing Brush			X	X	X	X	X	X	X	X	X	X	X
	J 8358	Carbon Removing Brush (Aluminum)		X											
	J 8813	Valve Guide Installer		X			X	X							
	J 8814	11/32" Valve Guide Reamer		X	X		X	X							
	J 8822	Connecting Rod Bolt Guide Set		X			X	X	X						



# Special Tools












## BUICK (Continued)

			L-6 250	V-6 225	V-6 231	V-8 260	V-8 300	V-8 340	V-8 350	V-8 400	V-9 400P	V-8 401	V-8 425	V-8 430	V-8 455
	J 9345-1	3/8" Valve Guide Reamer (.010" O.S.)							X					X	
	J 9510-1	Support (Piston Pin) (used with J 5538-12 Spring)	X												
	J 9510-2	Pilot (Piston Pin)	X												
	J 9510-3	Remover and Installer (Piston Pin)	X												
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Use with )(3/8-16) Slide Hammer)	X	X	X	X	X	X	X	X	X	X	X	X	X
	J 21006	Piston Ring Compressor (4 3/16")										X		X	
	J 21158	Piston Ring Compressor (4 5/16")													X
	J 21426	Crankshaft Oil Seal Installer	X												
	J 21526	Rear Main Oil Seal Packer			X				X	X	X				X
	J 21742	Timing Cover Alignment Gauge (Early 1968)	X												
	J 22197-6	Vibration Damper Installer (Cap Screws—2 required)	X												
	J 22197-7	Vibration Damper Installer (Body)	X												
	J 22197-11	Vibration Damper Installer (Fingers) (2 required)	X												
	J 22197-13	Vibration Damper Installer (Hardware Kit)	X												
	J 22549-2	Vibration Damper Driver (Use with J 22197-6, -7, -11, -13)	X												

For complete tool listing and price information, refer to the Numerical Price List.



**Special Tools****BUICK  
(Continued)**

			L-6 250	V-6 225	V-6 231	V-8 260	V-8 300	V-8 340	V-8 350	V-8 400	V-8 400P	V-8 401	V-8 425	V-8 430	V-8 455
	J 22612	3/8" Valve Guide Reamer (.006" O.S.)							X	X				X	X
	J 22694	Spark Plug Socket (5/8" Hex)			X				X	X	X			X	X
	J 22775	Oil Filter Wrench	← ALL THROW-AWAY FILTER →												
	J 22794	Spark Plug Port Adapter (14mm)			X	X			X		X				X
	J 22891	Valve Spring Compressor	X						X						X
	J 22965	Piston Ring Compressor (3 5/16")			X				X						
	J 22966	Piston Ring Compressor (4 3/16")								X					
	J 23042	Timing Cover Aligning Arbor (Late 1968-70)	X												
	J 24567	Connecting Rod Guide Pins			X				X						X
	J 24578	HEI Distributor Wrench			X	X			X		X				X
	J 24841	EGR Port Cleaning Tool							X						X

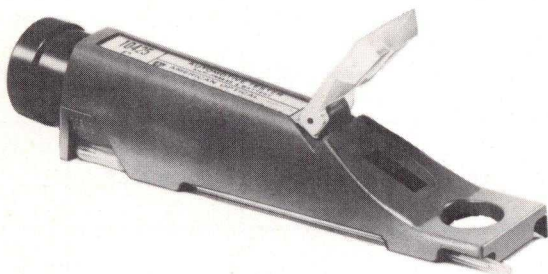


**J 23040 TAC-CAL Tachometer Calibrating Device**

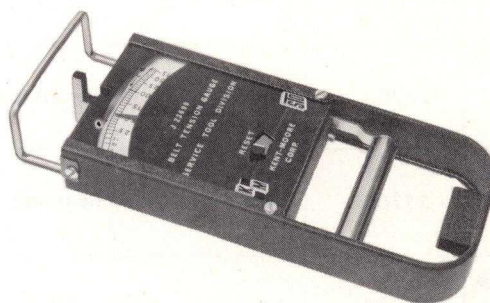
Present and future automotive emissions standards have caused greater emphasis to be placed upon the proper tuning of engines. One of the most important pieces of equipment used for tuning an engine is the tachometer. With use, tachometers frequently lose some of their accuracy. Any tachometer inaccuracy will cause the engine RPM rate during the tune-up operation to deviate from the manufacturer's recommended level.

Kent-Moore's TAC-CAL provides the capability for testing the accuracy of most primary and secondary tachometers by supplying appropriate test signals. Necessary connections for hooking the tachometer to the calibrator are provided on the face of the instrument.

The TAC-CAL provides the following signals for primary reading tachometers: 8 Cylinder Scale—1800 RPM, 900 RPM, 600 RPM; 6 Cylinder Scale—2400 RPM, 1200 RPM, 800 RPM; 4 Cylinder Scale—3600 RPM, 1800 RPM, 1200 RPM. The calibrator also provides signals for 1800 RPM, 900 RPM and 600 RPM for secondary reading tachometers. Accuracy  $\pm 2\%$ .

**J 23688 Hydro-Spy  
(Battery & Anti-Freeze Tester)**

This tester is designed specifically for rapid and accurate checking of anti-freeze protection *and* battery charge. Only a few drops of coolant or battery acid are required to take an accurate reading. The Hydro-Spy automatically corrects for temperature. There is no waiting until the engine is warmed up because the tester works when the coolant is hot or cold. The scales are easily read and the heavy duty die cast body is covered with a protective vinyl housing thus providing for rugged use. You can even drop it without fear of damage since there are no floats or glass tubes to break.

**J 23600 Belt Tension Gauge**

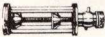





The increasing importance of correct belt tension has brought about the development of this gauge.

The J 23600 incorporates new features which help the service technician do the correct job in less time. A position stop insures accurate readings and repeatability. A reset button and lazy hand pointer enables the technician to reach awkward locations, make a check and remove the gauge to make his reading.






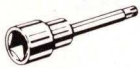

**Special Tools**

## OPEL KADETT

			1.1 Liter Engine	1.5 Liter Engine	1.9 Liter Engine
	J 1218	Piston Vise	X	X	X
	J 3936-03	Piston Ring Groove Cleaner	X	X	X
	J 5902-01	Cylinder Hone 2½" to 5¾"	X	X	X
	J 8037	Piston Ring Compressor (Oil Filter Remover)	X	X	X
	J 8056	Valve & Clutch Spring Tester	X	X	X
	J 8062	Valve Spring Compressor	X	X	X
	J 8080	Main Bearing Shell Remover	X	X	X
	J 8087	Cylinder Bore Checking Gauge	X	X	X
	J 8089	Carbon Removing Brush	X	X	X
	J 21702	7mm Valve Guide Reamer (.003" O.S.)	X		
	J 21703	7mm Valve Guide Reamer (.006" O.S.)	X		
	J 21704	7mm Valve Guide Reamer (.010" O.S.)	X		
	J 21706	Clutch Pilot Bearing Installer	X		
	J 21707	Crankshaft Oil Seal Installer	X		
	J 21718	Clutch Pilot Bearing Remover (Use with J 7004-1)	X		



**Special Tools**OPEL KADETT  
(Continued)

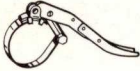
			1.1 Liter Engine	1.5 Liter Engine	1.9 Liter Engine
	J 21738	Engine Drain Plug Wrench (12mm Hex Key)	X		
	J 22915-01	Cylinder Head Bolt Serrated Wrench 12mm 1/2" Drive		X	X
	J 22917-1	9mm Valve Guide Reamer (.004" O.S.)		X	X
	J 22917-2	9mm Valve Guide Reamer (.006" O.S.)		X	X
	J 22917-3	9mm Valve Guide Reamer (.0118" O.S.)		X	X
	J 22924	Timing Cover Seal Installer		X	X
	J 22928	Rear Main Seal Installer and Protector		X	X
	J 22933	Timing Chain Oil Deflector		X	X
	J 23016-01	Serrated Wrench 8mm 3/8" Drive	X	X	X
	J 23017-01	Serrated Wrench 10mm 1/2" Drive (Head Bolts)	X		
	J 23098	Engine Holding Fixtures (Kadett Models)		X	X
	J 23375	Engine Holding Fixture (Opel GT)			X
	J 23436	Piston Pin Remover & Installer Set (Used with J 6047-1 Support)	X	X	X
	J 24850-01	Valve Timing Checking Tool			X
	J 24855	Oil Sending Unit Wrench			X

For complete tool listing and price information, refer to the Numerical Price List.

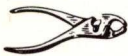











## ENGINE

Kent-Moore ***RATE-MAKER*** Special Service Tools***Special Tools***OPEL KADETT  
(Continued)

			1.1 Liter Engine	1.5 Liter Engine	1.9 Liter Engine
	J 25225	Oil Filter Wrench	X	X	X













## CADILLAC

			V-8 365	V-8 390	V-8 429	V-8 472	V-8 500
	J 3049	Valve Lifter Remover	X	X	X	X	X
	J 3062	Valve Stem Guide Remover	X	X	X		
	J 3224	Connecting Rod Bolt Guide Set	X	X	X	X	X
	J 4160	Hydraulic Valve Lifter Plunger Remover	X	X	X	X	X
	J 5569	Piston Ring Compressor (4")	X	X			
	J 5684	Piston Ring Compressor 4.129"			X		
	J 5830-1	1 $\frac{1}{32}$ " Valve Guide Reamer (.003" O.S.)				X	
	J 5830-6	1 $\frac{1}{32}$ " Valve Guide Reamer (.006" O.S.)				X	
	J 5830-7	1 $\frac{1}{32}$ " Valve Guide Reamer (.013" O.S.)				X	
	J 5892-1	Valve Spring Compressor	X	X	X		



# Special Tools


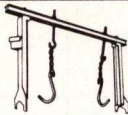



## CADILLAC (Continued)

			V-8 365	V-8 390	V-8 429	V-8 472	V-8 500
	J 8062	Valve Spring Compressor	X	X	X	X	X
	J 8080	Rear Main Bearing Shell Remover	X	X	X	X	X
	J 8390-04	Piston Pin Remover & Installer		X	X	X	X
	J 9789-01	Universal Carburetor Gauge Set (32 Wire Gauges Between .015 & .260. Plug Gauges .275-.500 Adjustment Sliding Drop Float Gauge)	X	X	X	X	X
	J 21052-02	Harmonic Balancer Remover & Installer		X	X	X	X
	J 21054	Camshaft Bushing Remover & Installer		X	X	X	X
	J 21150-01	Timing Gear Cover Oil Seal Installer & Support		X	X		
	J 21757-02	Oil Signal Switch Wrench					X
	J 22315	Valve Guide Installer (See J 6535)	X	X	X		
	J 22646	Carburetor Adjusting Tool	X	X	X	X	X
	J 22748	Piston Ring Compressor 4.300" (Solid)				X	X
	J 22765	Valve Spring Compressor				X	X
	J 22769	Float Needle Seat Remover and Installer				X	X
	J 22770	Front Cover Oil Seal Installer				X	X
	J 22775	Oil Filter Wrench			X	X	X

For complete tool listing and price information, refer to the Numerical Price List.






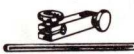










**Special Tools**CADILLAC  
(Continued)

			V-8 365	V-8 390	V-8 429	V-8 472	V-8 500
	J 22794	Spark Plug Compression Adapter 14mm				X	X
	J 22825	Engine Support Fixture			X	X	X
	J 22903	Piston Ring Remover and Installer 4 <sup>5</sup> / <sub>16</sub> "				X	
	J 22908	Block Reconditioning Tap 13/32-16 Thread		X	X		
	J 23675	Water Pump Service Set				X	X





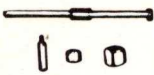

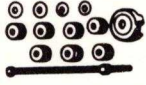


# Special Tools

## CHEVROLET

			Cor- vair	In- Line 6	Small V-8	Mark V-8	Vega 2300	235	265	409	194
	J 358-1	Press Plate Holder	X								
	J 971	Camshaft Gear Remover	X	X				X			X
	J 1619	Crankshaft Sprocket & Propeller Shaft Bearing Puller				X					
	J 4656	Flywheel Housing Alignment Checking Fixture						X			
	J 4822	Valve Guide Reamer .343"		X				X			X
	J 5239	Connecting Rod Bolt Guide Set		X	X	X		X	X	X	
	J 5513	30 lb. Piston Fitting Scale & Feeler (.0015 Size)	X	X	X	X		X	X	X	X
	J 5538-02	Piston Pin Assembly Tool							X		
	J 5569	Piston Ring Compressor			X						
	J 5590	Crankshaft Gear Installer	X	X	X			X	X	X	X
	J 5600	Valve Guide Remover						X			
	J 5715	3/8" Rocker Arm Stud Reamer (.003" O.S.)		X	X				X	X	X
	J 5801	Rocker Arm Stud Installer							X		
	J 5802-01	Rocker Arm Stud Remover		X	X				X	X	X












***Special Tools***CHEVROLET  
(Continued)

			Cor- vair	In- Line 6	Small V-8	Mark V-8	Vega 2300	235	265	409	194
	J 5825	Crankshaft Gear Puller		X					X	X	X
	J 5830-02	Valve Guide Reamer Set (See page 8)	X	X	X				X	X	X
	J 5892-1	Valve Spring Compressor		X	X	X		X	X	X	X
	J 6036	3/8" Rocker Arm Stud Hole Reamer (.013" O.S.)		X	X				X	X	X
	J 6098-01	Camshaft Bearing Remover & Installer		X	X	X			X	X	X
	J 6305-01	Connecting Rod Bolt Guide Set	X	X							X
	J 6356	Camshaft Bearing Remover & Installer						X			
	J 6647	Piston Ring Compressor			X						
	J 6880	Rocker Arm Stud Installer		X	X				X	X	X
	J 6994-04	Piston Pin Remover & Installer	X			X					
	J 7049	Valve Guide Reamer Set (See page 8)				X				X	
	J 8004-01	Cylinder Head Bolt Wrench 3/4" Double Hex—1/2" Drive						X			
	J 8037	Piston Ring Compressor (Adjustable)	X	X	X	X		X	X	X	X
	J 8056	Valve & Clutch Spring Tester	X	X	X	X	X	X	X	X	X



# Special Tools

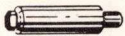














## CHEVROLET (Continued)

			Cor- vair	In- Line 6	Small V-8	Mark V-8	Vega 2300	235	265	409	194
	J 8062	Valve Spring Compressor	X	X	X	X	X	X	X	X	X
	J 8087	Cylinder Bore Checking Gauge (Range 2½" - 9")	X	X	X	X	X	X	X	X	X
	J 8089	Carbon Removing Brush	← ALL CAST IRON →								
	J 8101	Valve Guide Cleaning Tool	X	X	X	X		X	X	X	X
	J 8105	Crankshaft Gear Puller	X	X				X			
	J 8354	Stud Installer Set	X								
	J 8355-01	Piston Pin Remover & Installer Pilot	X								
	J 8356	Piston Ring Compressor (Adjustable)	X								
	J 8358	Carbon Removing Brush (Aluminum Head)	X								
	J 8369	Oil Suction Pipe Installer	X	X	X			X	X	X	X
	J 8520	Cam Lobe Lift Indicator	X	X	X	X	X	X	X	X	X
	J 8910	Piston Ring Compressor (3½") STD & O.S.					X				
	J 9370-01	Piston Ring Compressor (4¼") STD & O.S.				X					
	J 9510-04	Piston Pin Remover & Installer Set		X	X		X		X	X	X
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Use with ⅝" - 18 Thread Slide Hammer)		X		X	X				X

For complete tool listing and price information, refer to the Numerical Price List.






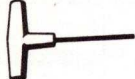

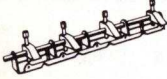
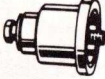
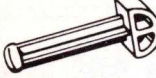






**Special Tools**CHEVROLET  
(Continued)

			Cor- vair	In- Line 6	Small V-8	Mark V-8	Vega 2300	235	265	409	194
	J 9535	Distributor Shaft Pilot Bearing Inst. & Rem.		X							X
	J 21281	Valve Guide Installer	164								
	J 21282	$\frac{33}{64}$ " Valve Guide Reamer (.010" O.S.)	164								
	J 21283	$\frac{33}{64}$ " Valve Guide Reamer (.020" O.S.)	164								
	J 21308	Cylinder Head Fin Cleaning Tool	X								
	J 21318	Valve Guide Reamer ( $1\frac{1}{32}$ ")	164								
	J 21742	Timing Cover Alignment Gauge & Seal Installer		X							X
	J 21757-02	Oil Signal Switch Wrench	X	X	X	X	X	X	X	X	X
	J 22102	Crankcase Front Seal Inst. & Cover Aligner				X					
	J 22144	Oil Inlet Tube Installer				X					
	J 22162	Universal Fan Hub Locating Gauge	X	X	X	X		X	X	X	X
	J 22197	Universal Vibration Damper Holder (Untapped Crankshaft)	X	X	X	X	X	X	X	X	X
	J 22249	Piston Ring Remover & Installer ( $3\frac{15}{16}$ ")	X	X	X	X	X	X	X	X	X
	J 22382	Hood Holders	X	X	X	X		X	X	X	X
	J 22775	Oil Filter Wrench	X	X	X	X		X	X	X	X



# Special Tools












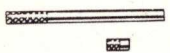


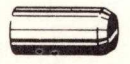
## CHEVROLET (Continued)

			Cor- vair	In- Line 6	Small V-8	Mark V-8	Vega 2300	235	265	409	194
	J 22894	Blower Bearing Remover	X								
	J 23042	Timing Cover Seal Aligner & Installer		X	X				X		X
	J 23523-02	Harmonic Balancer Remover & Installer (Tapped Crankshaft)		X	X	X			X	X	
	J 23587	Lifter Adjusting Wrench					X				
	J 23590	Air Line Adapter (Valve Spring Compressor)					X				
	J 23591	Camshaft Remover & Installer					X				
	J 23624	Oil Pump Seal Installer					X				
	J 23625	Rear Main Oil Seal Installer					X				
	J 23627	Connecting Rod Inserter					X				
	J 23638	Camshaft Bearing Remover & Installer					X				
	J 23654	Timing Belt Tensioning Adapter					X				
	J 23994	Valve Seal Tester		X	X			X	X		X
	J 23995	Valve Spring Compressor (Use with J 23591)					X				X
	J 24311	Exhaust Manifold Tube Remover & Installer					X				
	J 24780	Vega Frost Plug Remover					X				









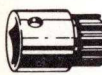




**Special Tools**

## OLDSMOBILE

			V-6 231	6 250	V-8 260	V-8 350	V-8 350B	V-8 400	V-8 400P	V-8 455
	J 3049	Valve Lifter Remover	X	X	X	X	X	X	X	X
	J 5513	Piston Feeler (.0015") 30 lb. Piston Fitting Feeler Scale	X	X	X	X	X	X	X	X
	J 5684	Piston Ring Compressor							X	
	J 5715	3/8" Rocker Arm Stud Hole Reamer (.003 O.S.)		X						
	J 5790	Valve Lifter Tester	X	X	X	X	X	X	X	X
	J 5830-1	11/32" Valve Guide Reamer (.003" O.S.)	X	X	X	X		X	X	X
	J 5830-2	11/32" Valve Guide Reamer (.015" O.S.)		X	X	X		X		X
	J 5830-3	11/32" Valve Guide Reamer (.030" O.S.)		X	X	X		X		X
	J 5830-7	11/32" Valve Guide Reamer (.01305)			X					
	J 5892-1	Valve Spring Compressor		X	X	X		X		X
	J 6036	Rocker Arm Stud Reamer (.013" O.S.)		X						
	J 6305-01	Connecting Rod Guide Set		X	X	X		X		X
	J 6621	11/32" Valve Guide Reamer (.00505)			X				X	
	J 6647	Piston Ring Compressor 3/8		X		X		X		X
	J 6880	Rocker Arm Stud Installer		X						

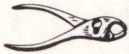
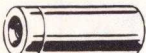







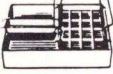



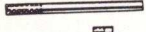



**Special Tools**
**OLDSMOBILE**  
(Continued)

			V-6 231	6 250	V-8 260	V-8 350	V-8 350B	V-8 400	V-8 400P	V-8 455
	J 7583-3	Pilot-Harmonic Balance Remover (Part of J 7583—used with J 8614-01)			X	X				X
	J 8037	Adjustable Piston Ring Compressor	X	X	X	X	X	X	X	X
	J 8614-01	Puller—Harmonic Balancer (Companion Flange holder—See J 7583-3)			X	X				X
	J 9510-04	Piston Pin Installer Set			X					
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Use with J 6125)	X	X	X	X	X	X	X	X
	J 9535	Distributor Bushing Installer	X	X	X	X	X	X	X	X
	J 21174	Drain Plug Socket Wrench (1/2" Drive)						X		
	J 21795-02	Camshaft Gear Installer		X	X	X		X		X
	J 22227	Camshaft Gear Removal Plate		X	X	X		X		X
	J 22965	Piston Ring Compressor	X							
	J 23042	Timing Cover Seal Installer & Aligner	X							



**Special Tools****PONTIAC**

			OHC 4 140	L-6 250	OHC 6 230	OHC 6 250	V-8 260	V-8 307	V-8 350	V-8 350B	V-8 400	V-8 428	V-8 455
	J 3049	Valve Lifter Remover		X	X		X	X	X	X	X	X	X
	J 4160	Hydraulic Valve Lifter Plunger Remover		X	X		X	X	X	X	X	X	X
	J 5154-01	Crankshaft Sprocket Installer						X					
	J 5239	Connecting Rod Bolt Guide Set		X	X	X	X	X	X		X	X	X
	J 5513	Piston Feeler (.0015) and 30 lb. Scale	X	X	X	X	X	X	X	X	X	X	X
	J 5684	Piston Ring Compressor 4 1/8"									X	X	
	J 5715	Rocker Arm Stud Reamer .003 O.S.						X					
	J 5751	Valve Stem Seal Installer & Tester									X	X	
	J 5790	Hydraulic Valve Lifter Leakdown Tester (Includes One Gallon J 5268 Test Oil)		X	X	X	X	X	X	X	X	X	X
	J 5821	Valve Lifter Cleaning Tank		X	X	X	X	X	X	X	X	X	X
	J 5830-02	Valve Guide Reamer Set J 5830-1 .003" O.S., J 5830-4 .010" O.S. J 5830-2 .015" O.S., J 5830-5 .020" O.S. J 5830-3 .030" O.S.		X	X	X	X	X	X	X	X	X	X
	J 6036	3/8" Rocker Arm Stud Hole Reamer (.013" O.S.)		X									
	J 6173-01	Camshaft Bearing Remover & Installer						X	X		X	X	X
	J 6305-01	Connecting Rod Guide Set		X									
	J 6471-4	Camshaft Remover (Use with 5/8" x 18 Slide Hammer)				X							



# Special Tools


## PONTIAC (Continued)

			OHC 4 140	L-6 250	OHC 6 230	OHC 6 250	V-8 260	V-8 307	V-8 350	V-8 350B	V-8 400	V-8 428	V-8 455
	J 6621	1 1/32" Valve Guide Reamer (.005" O.S.)			X	X			X		X	X	X
	J 6647	Piston Ring Compressor 3 7/8"		X	X			X	X				
	J 6880	Rocker Arm Stud Installer		X				X					
	J 6901-03	Piston Pin Remover & Installer							X		X	X	X
	J 6978-04	Vibration Damper Remover		X				X					
	J 7588	Rear Main Bearing Oil Seal Installer							X		X	X	X
	J 8037	Piston Ring Compressor (Adjustable)	X	X	X	X	X	X	X	X	X	X	X
	J 8062	Valve Spring Compressor		X	X	X	X	X	X	X	X	X	X
	J 8080	Main Bearing Shell Remover	X	X	X	X	X	X	X	X	X	X	X
	J 8087	Cylinder Bore Checking Gauge	X	X	X	X	X	X	X	X	X	X	X
	J 8101	Valve Guide Cleaning Tool	X	X	X	X	X	X	X	X	X	X	X
	J 8910	Piston Ring Compressor (3 1/2") STD & O.S.	X										
	J 8927	Rocker Arm Stud Installer									X	X	
	J 8928	Valve Train Gauge									X	X	
	J 8929-02	Valve Spring Compressor					X	X	X	X	X	X	X

For complete tool listing and price information, refer to the Numerical Price List.










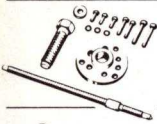



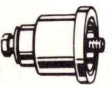


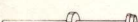
**Special Tools**PONTIAC  
(Continued)

			OHC 4 140	L-6 250	OHC 6 230	OHC 6 250	V-8 260	V-8 307	V-8 350	V-8 350B	V-8 400	V-8 428	V-8 455
	J 8934	Rocker Arm Stud Remover							X		X	X	X
	J 9510-04	Piston Pin Remover & Installer		X	X	X		X					
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Use with J 6125)		X	X	X	X	X	X	X	X	X	X
	J 9535	Distributor Shaft Pilot Bearing Installer & Remover		X									
	J 21054-1	Handle (Camshaft Bushing Remover & Installer) (Use with J 21473-1)					X						
	J 21147	Timing Chain Cover Oil Seal Installer							X		X	X	X
	J 21473-1	Camshaft Bushing Remover & Installer Adapter (Use with J 21054-1)					X						
	J 22126	Rocker Arm Stud Reamer .4365"							X	X		X	X
	J 22197	Vibration Dampener Remover (Untapped Crankshaft)	X	X	X	X	X	X	X	X	X	X	X
	J 22330	Valve Seal Installer & Tester			X	X	X	X	X	X	X	X	X
	J 22562	Piston Ring Compressor 3 <sup>23</sup> / <sub>32</sub> "					X						
	J 22775	Oil Filter Wrench	X	X	X	X	X	X	X	X	X	X	X
	J 22794	Air Line Adapter-Valve Spring Compressor 14mm (Use with J 8929-01)	X	X	X	X	X	X	X	X	X	X	X
	J 22888	Crankshaft Sprocket Puller (Diff. Side Bearing Puller)						X					
	J 22891	Valve Spring Compressor		X									



# Special Tools

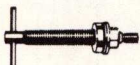
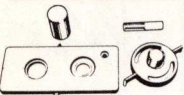





## PONTIAC (Continued)

			OHC 4 140	L-6 250	OHC 6 230	OHC 6 250	V-8 260	V-8 307	V-8 350	V-8 350B	V-8 400	V-8 428	V-8 455
	J 23042	Timing Chain Cover Seal Installer & Aligner	X	X		X	X						
	J 23342	Rocker Arm Stud Installer							X		X	X	X
	J 23503	Piston Ring Compressor (4.151)									X	X	X
	J 23515-02	Engine Lifting Fixture						X	X			X	X
	J 23515-19	Engine Lifting Tool Adapter						X					
	J 23515-20	Engine Lifter Fixture Adapter					X			X			
	J 23515-100	Adapter Kit for J 23515-02						X	X			X	X
	J 23523-02	Harmonic Balancer Remover & Installer (Tapped Crankshaft)	X	X				X					
	J 23587	Lifting Adjusting Wrench	X										
	J 23590	Airline Adapter (Valve Spring Compressor)	X										
	J 23591	Camshaft Remover & Installer	X										
	J 23624	Oil Pump Seal Installer	X										
	J 23625	Rear Main Oil Seal Installer	X										
	J 23627	Connecting Rod Inserter	X										
	J 23638	Camshaft Bearing Remover & Installer	X										

For complete tool listing and price information, refer to the Numerical Price List.



**Special Tools****PONTIAC  
(Continued)**

			OHC 4 140	L-6 250	OHC 6 230	OHC 6 250	V-8 260	V-8 307	V-8 350	V-8 350B	V-8 400	V-8 428	V-8 455
	J 23952	Harmonic Balancer Inst. (Used with J 6978-04)						X					
	J 24185	Water Pump Service Set							X		X		X
	J 24311	Exhaust Manifold Tube Remover & Installer	X										
	J 24578	HEI Wrench	X	X	X	X	X	X	X	X	X	X	X
	J 24731-188	Tempilstick (188°F)	X	X	X	X	X	X	X	X	X	X	X
	J 24731-206	Tempilstick (206°F)	X	X	X	X	X	X	X	X	X	X	X
	J 24780	Frost Plug Remover Block Heater	X										

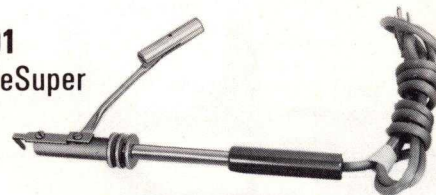


**J-23455-01 The Listener**



With the Listener the technician will be able to detect the sound of escaping air from any unit pressurized with a minimum of 2.5 PSI. The J 23583-01 Pressure Test Kit can induce pressure where none exists to allow the leak checking of the following components: Automatic transmissions, Rear axle assemblies, Slow leaks in tires, Truck air brake system, Radiators, Vacuum systems, Air ride systems, Engine crankcase. The Listener will detect sounds in the 35,000 to 45,000 cycles per second range which are not heard by the human ear. This range of sound is generated by our Son-Caster, which can be used when it is impractical to pressurize a large area. This allows the leak checking of the window seals and the trunk seal.

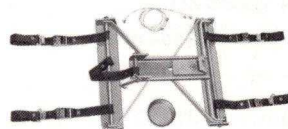
**J-24709-01  
"T" Handle Super  
Hot Knife**



The J-24709-5 "T" handle will adapt to all previously released J-24709 Hot Knives to allow the updating of all knives to the new improved design. The J-24709-6 Blade is also an improved blade, both for improved cutting and for additional strength. Both the new "T" pull handle and tapered blade are part of the new assembly J-24709-01 that is required to cut the new stationary glass sealant urethane.

This knife is designed to operate on 110 Volt AC Power and over 700°F is delivered to the cutting blade. This heat enables the technician to quickly and easily remove the windshield.

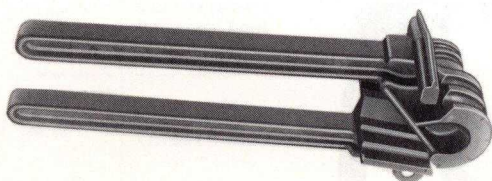
**J-25063 Fuel Tank Cradle**



The Kent-Moore inexpensive Fuel Tank Cradle was designed to solve one of your service department's problems—fuel tank removal. Now, one man can remove (and install) a full tank from most vehicles. Pumping or syphoning the tank is no longer necessary, thus insuring against contamination and loss of fuel.

This versatile cradle, when attached to a transmission or floor jack, provides a sturdy support (Cradle) for the fuel tank while the tank support straps are disconnected. Lowering the tank from the vehicle can then be easily accomplished by lowering the jack.

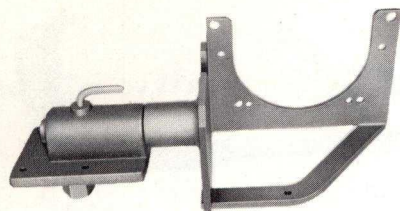
**J-25310 Universal Tube Bender for 3/16, 1/4, 5/16, and 3/8 Tubing**



Now it's possible to bend the four most commonly used tubes, 3/16", 1/4", 5/16", and 3/8" O.D. on one tool. Makes smooth short radius bends up to 180° with minimum effort calibrated to show angle of bend. Bender is of the open side type which allows the bender to slip over the tube at any point. This new bender is made of a fiberglass filled plastics for strength and durability.



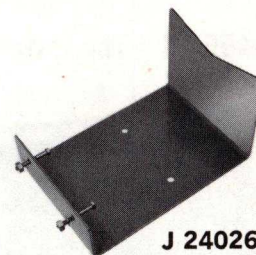
## TRANSMISSION HOLDING FIXTURES



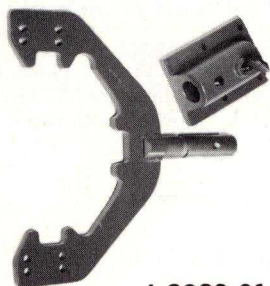
**J 6115-02**  
**American Motors**  
*Shift-Command*



**J 22240**  
**Front Wheel Drive Transmission**  
*Used with J 3289-20 Base*  
*Cadillac & Oldsmobile*



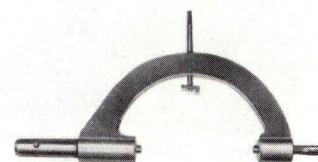
**J 24026**  
**American Motors**  
*Torque-Command*



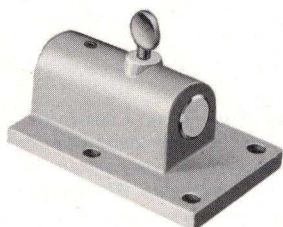
**J 3289-01**  
**Base & Screw Assembly**



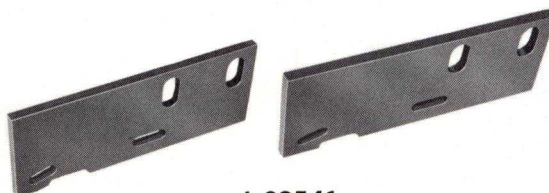
**J 21533**  
**All Synchronesh**  
*Used with J 3289-20 Base*



**J 8763-02**  
**All Hydramatic, Super Turbine**  
**& Opel Automatics**  
*Used with J 3289-20 Base*



**J 3289-20**  
**Base & Screw Assembly**



**J 23541**  
**Holding Fixture**  
**Power Glide**  
*Use with J 3289-01*



**J 22719**  
**Adapter—**  
*Used To Adapt*  
*J 23930 Engine Stand*  
*to Transmission Holding*  
*Fixtures J 8763-02 &*  
*J 22240*

## J 23994 Transmission Vacuum Modulator Testor




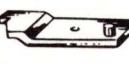








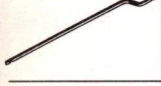



This tool was primarily developed to test the valve stem seals on all six cylinder and small V-8 engines. The basic vacuum device can be used in many applications throughout the vehicle. Some of the uses are listed below :

- Air conditioning and heating vent doors
- Choke and throttle vacuum brake
- Distributor vacuum advance
- Door and trunk locks









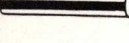





# Clutch

	J 1048	Clutch Finger Setting Gauge	ALL—Borg and Beck Clutch		J 22309	Clutch Throw out Bearing Sleeve Pin Stacking Tool	AMC 1966-68 10-50-80 232
	J 1448	Clutch Pilot Bearing Puller	CHEV.—All OLDS.—All		J 22347	Self-Adjusting Clutch Gauge	AMC—1966-67 10-50-80 with 232
	J 1522	Clutch Pilot Bushing Driver	CHEV.—All BUICK—All		J 22934	Clutch Alignment Arbor	OPEL KADETT—thru 73 1.5 & 1.9 Liter
	J 5824	Clutch Disc Aligning Tool	Chev. Buick Pont. Olds.		J 23330	Clutch Lever Height Tool	AMC—All
	J 21617	Clutch Aligning Arbor	AMC 1963-65 01-10 (195.6) 1965-75 199-232-258		J 23644	Clutch Ball Adjusting Gauge	H-CAR—3 & 4 Speed
	J 21714	Clutch Aligning Arbor	OPEL KADETT—thru 1971 1.1 Liter		J 23720	Splined Clutch Aligner	CHEV.—71-75 Muncie
	J 21746	Clutch Pedal Overcenter Spring Remover & Installer	AMC 1963: 10-80: 64-65: 10-50-80 (except 199) 66: 10-50-80 (287, 327): 66-01 (290)		J 23907	Clutch Pilot Bearing Remover	UNIVERSAL
	J 22056	Clutch Alignment Arbor	AMC 1963-67 10 Heavy Duty 1966-67: 01-4 speed 1967-75 All V-8		J 25353	Clutch Alignment Arbor	AMC—1974-75 150-T

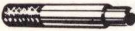




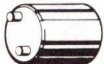
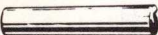














# Synchromesh & Overdrive

AMC

	J 1434	Transmission Guide Pins (Pair)	ALL—with 7/16-14 Thread		J 8157	Transmission Rear Bearing Puller	1955-65: 01 (6 cyl) 1964-66: 10 (6 cyl) 1965-66: 10-50-80 (232-287) 1969-72 T96 3 Speed
	J 2040	Transmission Thrust Yoke	1956-72 T-96		J 9617	Rear Oil Seal Installer	1965-75 3 & 4 Speed Except 327 C.I.D. 10-50-80
	J 4830-02	Transmission Rear Seal Remover	1960-75 3 & 4 Speed		J 9618	Extension Housing Bushing Remover & Installer	Std. & Flash-O-Matic 1962-75 3 Speed Trans.
	J 5589	Countershaft Loading Tool	1965-75 4 Speed Trans.		J 21568-01	Transmission Thrust Yoke	1964-67: 10-50-80 T 86 & T 90
	J 6652	Transmission Bearing Puller (T-10, 14, 15)	1957-64: 80; 1965-66 10-50-80 (327) Three Speed		J 21617	Clutch Aligning Arbor	Late 1963-64-65 01-10 (195.6) 1965-75 (199-232-258)











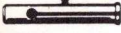

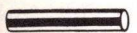




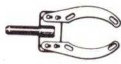




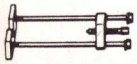









***Synchromesh & Overdrive***AMC  
(Continued)

	J 22056	Clutch Aligning Arbor	1963-68: 10 Heavy Duty 1966-67: 01 4 Speed 1967-75 (290-343, 360.401)		J 25303	Pressure Gauge Set	1975 Laycock Overdrive
	J 22538	Reverse Gear Housing & Extension Housing Bushing Remover & Installer	1966-75 4 Speed		J 25304	Solenoid Wrench	1975 Laycock Overdrive
	J 22656	Transmission Thrust Yoke	1967-T96 (232)		J 25305	Plug Spanner Socket Wrench	1975 Laycock Overdrive
	J 22697	Transmission Rear Bearing Installer	1967-68: 4 speed		J 25306	Extension Housing Oil Seal Installer	1975 Laycock Overdrive
	J 22978	Countershaft Loading Tool	T-14		J 25307	Relief Valve Body & Dash Pot Sleeve Remover	1975 Laycock Overdrive
	J 22979	Countershaft Loading Tool	T-15		J 25308	Overrunning Clutch Remover & Installer & Bearing Loader	1975 Laycock Overdrive
	J 22994	Mainshaft Pilot & End Support	T-14 & T-15		J 25311	Output Shaft Nut Wrench	1975 Laycock Overdrive
	J 23330	Clutch Lever Height Gauge	All		J 25313	Extension Housing Seal Remover	1975 Laycock Overdrive
	J 25232	Countershaft Alignment Tool	1974-75 150-T		J 25315	Thrust Ring Sliding Clutch Remover	1975 Laycock Overdrive
	J 25233	Front Bearing Cap Seal Installer	1974-75 150-T		J 25390	Spline Alignment Tool	1975 Laycock Overdrive
	J 25234	Front & Rear Mainshaft Bearing Installer	1974-75 150-T				



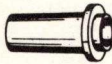
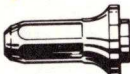



















**Synchromesh**
**GENERAL MOTORS—ALL DIVISIONS**

	J 932	Snap Ring Pliers	ALL GM—3 Speed & 4 Speed		J 8760-01	Speedo Gear Remover	BUICK—1964-66 4 Speed OLDS.—1965-68 3 & 4 Speed
	J 933-03	Transmission Clutch Gear Nut Retainer Wrench (1 1/8")	CHEV.—1960-75 PONT.—1960-75 BUICK—1960-75 OLDS.—1960-75		J 8864	Transmission Seal Installer	BUICK SPEC.—1961-64; 40-41-43 Series 1965; 46 Series 3 & 4 Speed 1966
	J 1126	Transmission Alignment Stud (Pair)	CHEV.—1960-75 BUICK—1960-75 PONT.—1960-75 OLDS.—1960-75		J 8872	Synchronizer Remover & Installer Pliers	OPEL—Thru 1971 1.1 Liter
	J 1453-01	Speedometer Drive Gear Press Plate (Use with J 358-1)	CHEV.—1965-68		J 9578-01	Speedometer Gear Remover	BUICK—1964-67 4 Speed
	J 3049	Shift Rail Rotating Pliers	BU. PONT., OLDS., CHEV. 3 Speed—All forward speeds synchronized H.D.		J 21359	Extension Housing Seal Installer	All GM 1972-75 3 & 4 Speed Large Shaft
	J 4830-02	Extension Housing Bushing & Oil Seal Remover (Use with 5/8 x 11 Slide Hammer)	CHEV., PONT., OLDS., BU. 1966-75 3 & 4 Speed		J 21426	Extension Housing Seal Installer	All GM 1972-75 3 & 4 Speed Small Shaft
	J 5589	Countershaft Gear Alignment Tool	CHEV.—4 Speed Thru 1965—PONT. 1958-65		J 21465-17	Extension Housing Bushing Remover & Installer	All GM—1972-75 4 Speed, Large Shaft
	J 5590	Transmission Front Bearing Installer	CHEV.—1955-75		J 21470	Speedo Gear Installer (Main Shaft Bearing Installer)	OLDS.—1966-1968 3 Speed
	J 5777	Countershaft Gear Alignment Tool	OLDS.—1964 CHEV.—Std. 3 Speed PONT.—Std. 1958-65 BUICK—1964-65—3 Speed		J 21533	Transmission Housing Fixture (Use with J 3289-20)	ALL
	J 5814-01	Speedometer Gear & Rear Bearing Remover & Installer	CHEV.—1955-75 PONT.—1965-75		J 21629	Countershaft Gear Alignment Tool	CHEV.—3 Speed Heavy Duty Warner 1966-73 OLDS.—1964-68
	J 5859	Extension Housing Oil Seal Remover (Use with 5/8"—18 Slide Hammer)	CHEV.—1955-62		J 21684	Bearing Press Plate	OPEL KADETT—All thru 1975
	J 6123-01	Speedo Gear Remover	OLDS.—3 & 4 Speed up to 1968		J 21708	Clutch Gear Ball Bearing and Speedometer Gear Installer	OPEL KADETT All thru 1975
	J 6403-02	Extension Housing Bushing & Oil Seal Installer	PONT., OLDS., BUICK 3 & 4 Speed—1966-75		J 21709	Shift Lever Lock Cap Remover & Installer	OPEL KADETT—Thru 1971—1.1 Liter
	J 6403-6	Extension Housing Bushing Remover Installer	CHEV.—1955-71		J 21715	Detent Pin Plug Remover (Use with J 7004-1)	OPEL KADETT All thru 1971 CHEV.—Vega 1971-72
	J 8609	Press Plate Mainshaft Assembly	BUICK—1968-75 3 Speed		J 21722	Guide Pin (2 required)	OPEL KADETT—Thru 1971 1.1 Liter

For complete tool listing and price information, refer to the Numerical Price List.



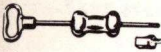



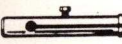







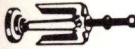









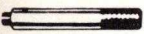





**Synchromesh**GENERAL MOTORS—ALL DIVISIONS  
(Continued)

	J 21740	Extension Housing Oil Seal Installer	OPEL KADETT—Thru 1971 1.1 Liter		J 22922	Transmission Extension Housing Seal Installer	OPEL—1968-75 1.5 & 1.9 Liter
	J 21774-03	Transmission Output Shaft Bearing Remover & Installer	BU., OLDS., PONT. 1967-71—3 Speed All Forward Speeds synchronized Heavy Duty		J 22923	Reverse Idler Shaft Remover	CHEV.—Vega 71-72 OPEL—1968-75 1.5 & 1.9 Liter
	J 21775-01	Countershaft Gear Alignment Tool	BU., OLDS., PONT. 1967-71—All forward speeds synchronized Heavy Duty 3 Speed		J 22926	Speedometer Driven Gear Pin Remover (Use with J 7004-1 Slide Hammer)	OPEL—1968-75 1.5 & 1.9 Liter
	J 21858	Press Plates (Use with J 6407)	PONT.—1968-75 3 Speed Synchronized		J 22929	Speedometer Driven Gear Remover & Installer (Use with J 7004-1 Hammer)	OPEL—1968-75 1.5 & 1.9 Liter
	J 21985	Speedometer Drive Gear Removing Rods	OLDS.—3 & 4 Speed		J 22934	Clutch Plate Aligning Arbor	OPEL—1968-75 1.5 & 1.9 Liter
	J 22246	Countershaft Gear Alignment Tool	Saginaw BUICK—1966 3 Speed 1967-75 3 & 4 Speed CHEV.—1966-75 3 & 4 Speed OLDS.—1966-75 3 Speed PONT.—1966-75 3 & 4 Speed		J 23096	Front Housing Drive Gear Seal Installer	OLDS., BU., CHEV., PONT. Warner 4 Speed
	J 22379	Countershaft Gear Alignment Tool	Muncie OLDS.—1966-75 4 spd. PONT.—1966-75 4 spd.		J 23562	Counter Gear Alignment Shaft	VEGA—71-72 3 Speed
	J 22414	Countergear Needle Bearing Loader	OPEL KADETT—Thru 1971 1.1 Liter		J 23596	Transmission Rear Oil Seal Installer	GM SERIES 1971-72
	J 22629	Countershaft Aligning Tool	F. B. Warner 3 Speed 1967-1968		J 23644	Clutch Ball Stud Adjusting Gauge	GM SERIES 71-75
	J 22911	Needle Bearing Loader	CHEV.—Vega 71-72 OPEL—1968-75 1.5 & 1.9 Liter		J 24658	Counter Gear Alignment Shaft	CHEV., PONT. 1974-75 Warner 4 Speed
	J 22913	Mainshaft Assembly Tool	OPEL—1968-75 1.5 & 1.9 Liter				



**Shift-Command**


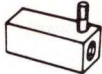

AMC

	J 2619-01	Slide Hammer (5/8" x 18 Thread) with 1/2" - 13 Adapter		J 9617	Rear Oil Seal Installer (1965-71 Alum. Except 1965-66 10-50-80)
	J 2623	Extension Housing Oil Seal Remover (M-12 only) (Use with 5/8" x 11 Slide Hammer)		J 9618	Extension Housing Bushing Remover & Installer—1968-71 (Aluminum)
	J 4830-02	Transmission Rear Oil Seal Remover (Use with 5/8" x 11 Slide Hammer) (1967-71 Aluminum Case J-5)		J 9620	Front Clutch Annular Piston & Seal Installer—1962-67 (6 cyl.)
	J 5864	Dial Indicator Support Shaft		J 9621	Rear Clutch Annular Piston & Seal Installer—1962-67 (6 cyl.)
	J 5875	Front Clutch Spring Compressor 1957-71		J 9639	Torque Wrench Adapter—1962-67 (Aluminum)
	J 5880-01	Front Band Adjusting Tool 1957-71		J 9640	Extension Housing Bushing Remover & Installer (Use with J 8092 Handle) 1962-66 Aluminum (except 01); 1964-66 232-287; 1968-71 Cast Iron
	J 5886-01	Rear Clutch Spring Compressor 1957-71		J 21005-01	Front Pump Oil Seal Installer 1963-71 (Cast Iron)
	J 5907-3	Pressure Gauge Hose (Use with J 6840-1)		J 21054-2	Case Rear Bushing Remover & Installer (Use with J 8092) 1967-71
	J 6115-02	Transmission Holding Fixture		J 21984	Front Pump & Rear Housing Seal Installer—1958-71 (Cast Iron); 1965-66: 10-50-80 (6 Cyl.)
	J 6494-17	Case Front Bushing Remover & Installer—1957-71 (Cast Iron)		J 22182	Pump Front Bushing Remover & Installer (Use with J 8092) 1967-71 (Aluminum)
	J 6840-1	Pressure Gauge (0-400 lbs.) (Use with J 5907-3)		J 22205	Front Pump Oil Seal Remover 1964-71
	J 8092	Driver Handle (threaded type)		J 22538	Reverse Gear Housing Bushing Remover & Installer—1966-71 (Cast Iron)
	J 8641	Solenoid Wrench—1 1/16" (1957-61 All; 1962-65 80 V-8; 1963-65 10 V-8)		J 22574	Rear Case Bushing Remover & Installer—1966-71 (Aluminum)
	J 8773	Vacuum & Solenoid Control Adjusting Kit (All 1957-61; All 1962-65 (287-327) 80 V-8; 1963-65 10 V-8)		J 22698	Rear Band Adjuster 1957-71 All

For complete tool listing and price information, refer to the Numerical Price List.







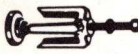









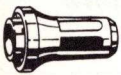





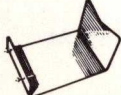



**Shift-Command**AMC  
(Continued)

	J 23335	Pump Front Bushing Remover & Installer (M-11 & M-12 1967-69) (Use with J 8092)		J 23499	Solenoid Checking Fixture 1967-71 All
	J 23336	Adapter Plate Bushing Installer (M-11 & M-12 1967-69) (Use with J 8092)			

**Torque Command**










AMC

	J 3387-2	Pilot Stud (2 required)—1972-75 (727, 904, 998)		J 24027	Pressure Test Set (727, 904, 998)— 1972-75
	J 5403	Snap Ring Pliers (727, 904, 998)— 1972-75 #21 Internal		J 24028	Speedometer Pinion Seal & Retainer Installer (All)—1972-75
	J 5586	Snap Ring Pliers (727, 904, 998)— 1972-75		J 24031	Kickdown Valve Gauge (727, 904, 998)—1972-75
	J 5886-01	Front Clutch Spring Compressor— 1972-75 (904, 998)		J 24032	Reaction Shaft Bushing Installer (904 & 998)—1972-75
	J 6083	Snap Ring Pliers—1972-75 (727, 904, 998) #23 External		J 24033	Pump Rotor Alignment Tool (904 & 998)—1972-75
	J 7004-3	Slide Hammer Bolts (727, 904, 998)—1972-75 (Used With Slide Hammer Knockers J 6585)		J 24036	Reaction Shaft Bushing Remover (904 & 998)—1972-75
	J 9348	Extension Housing Yoke Seal Installer (727, 904, 998)—1972-75		J 24037	Reaction Shaft Bushing Remover (727)—1972-75
	J 9617	Front Pump Oil Seal Installer (904, 998)—1972-75		J 24038	Reaction Shaft Bushing Installer (727)—1972-75
	J 21005-01	Front Pump Oil Seal Installer (727)—1972-75		J 24039	Front Clutch Retainer Bushing Rem. & Inst. (727)—1972-75
	J 21232-01	Front Pump Oil Seal Remover (Steering Wheel Puller)—1972-75 (727, 904, 998) used with J 22205		J 24040	Input Shaft Bushing Installer (727) —1972-75
	J 22205	Front Pump Oil Seal Remover (Legs) —1972-75 (727, 904, 998) used with J 21232-01		J 24041	Input Shaft Bushing Remover (727) —1972-75
	J 24026	Transmission Holding Fixture (727, 904, 998)—1972-75		J 24042	Front Clutch Spring Compressor and Overrunning Clutch Cam Installer (727)—1972-75



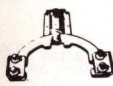

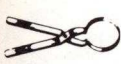











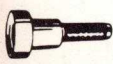



**Torque Command**

AMC  
(Continued)

	J 24043	Valve Body Support Stand (727, 904, 998)—1972-75		J 24055*	Oil Pump Bushing Remover & Installer (727)—1972-75
	J 24044	Detent Ball Retainer (727, 904, 998)—1972-75		J 24063	Kickdown Band Adjustment Adapter (727, 904, 998)—1972-75 used with 3/16 square socket & J 5853 (0-100 lb.) Torque wrench
	J 24045	Pump Rotor Alignment Tool (727)—1972-75		J 24064*	Front Clutch Bushing Remover & Installer (904, & 998)—1972-75
	J 24048*	Extension Housing Bushing Rem. & Inst. (727)—1972-75		J 24108	Pilot Stud (2 Required) (727, 904, 998)—1972-75
	J 24049*	Oil Pump Bushing Rem. & Installer (727)—1972-75			

**Automatic**









POWERGLIDE—CHEVROLET  
(Cast Iron & Aluminum) PONTIAC (M-35)

	J 3289-01	Differential Holding Fixture (Must be Used with J 23541 Holding Fixture)		J 5403	Accumulator Retainer Pliers (#21 Internal)
	J 3365	Servo Ring Compressor (1950-61)		J 5814-01	Speedometer Gear & Rear Bearing Remover & Installer
	J 3377	Reverse Servo Piston Apply Spring Compressor		J 6839	Front Pump Oil Seal Installer
	J 3387	Pilot Stud Set		J 7079-2	Driver Handle (Non-threaded type)
	J 4263	Front Pump Driver		J 7674-01	Vacuum Modulator Wrench (.899")
	J 4599	Planet Pinion Pin Assembly Tool (Pair)		J 7782	Clutch Spring Compressor Adapter Plate
	J 5133	Clutch Spring Compressor		J 8039	Snap Ring Pliers
	J 5154-01	Transmission Housing Extension Oil Seal Installer		J 9539	Front Pump Slide Hammer Adapter Bolts (Pair)
	J 5384	Converter Assembly Holding Tool (1953-61)		J 9543	Vacuum Modulator Wrench (1")







For complete tool listing and price information, refer to the Numerical Price List.






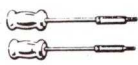

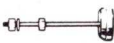
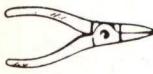





**Automatic****POWERGLIDE—CHEVROLET**  
(Cast Iron & Aluminum) **PONTIAC (M-35)—(Continued)**

	J 9546	Clutch Drum Bushing Remover & Installer (Chevy II—1962 and up)		J 21867	Transmission Pressure Gauge & Hose
	J 9549	Converter Holding Strap (Chevy II—1962 and up)		J 23327	Clutch Spring Compressor (Use with J 23466 Adapter)
	J 9557	Transmission End Case Bushing Remover & Installer (Chevy II—1962 and up)		J 23466	Clutch Spring Compressor Adapter (Use with J 23327—Pont. 1970 M-35 Trans.)
	J 21848	Powerglide Low Band Adjuster (1962 and up)		J 23541	Transmission Holding Fixture (Use with J 3289-01)

**POWERGLIDE—CORVAIR**

	J 5133	Clutch Spring Compressor		J 7782	Brake Piston Spring Compressor (1962 and up)
	J 6585-01	Transmission Front Pump Assembly Remover (Pair) (1960-62)		J 8360	Transmission Bushing Installer Set
	J 7079-2	Installer Handle (Non-threaded type)		J 8365	Manual Valve Lever Gauge








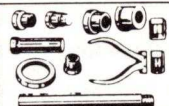




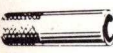

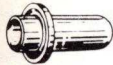

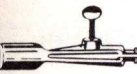




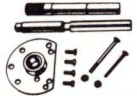


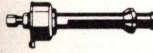
**SUPER TURBINE 300BUICK — TURBINE TYPE JETAWAY—OLDSMOBILE**  
**HYDRA-MATIC—PONTIAC**

	J 2590-02	Clutch Spring Compressor (Buick)		J 5907	Universal Pressure Gauge (0-300 P.S.I. with 9 ft. Hose)
	J 3289-20	Base & Screw Assembly (Use with J 8763-02)		J 6125	Pump & Support Assembly Remover (Pair) (Olds., Pontiac) ( $\frac{5}{16}$ "—18 Thread)
	J 4670-01	Forward Clutch Spring Compressor (Use with J 6129 & J 21664) (Olds.)		J 6129	Forward Clutch Spring Compressor (Olds.)
	J 4880	#22 Tru-Arc Snap Ring Pliers, External (Buick & Olds.)		J 7004	Slide Hammers—Front Pump Assembly Remover (Pair) (Buick) ( $\frac{3}{8}$ "—16 Thread)
	J 5154-01	Extension Housing Oil Seal Installer (Olds., Pontiac)		J 8001	Dial Indicator Set (Olds.)
	J 5586	External Vacuum Grip Snap Ring Pliers (Buick & Olds.)		J 8092	Drive Handle (Threaded type)



**Automatic**

**SUPER TURBINE 300—BUICK TURBINE TYPE JETAWAY—OLDSMOBILE  
TURBO-HYDRAMATIC—PONTIAC—(Continued)**

	J 8433	Speedo Gear Remover (Use with J 21427-01) (Pontiac)		J 21424	Transmission Bushing Service Tool Set (Buick, Olds.)
	J 8591	7/32" Allen Wrench Socket (3/8" Drive)		J 21426	Rear Oil Seal Installer
	J 8763-02	Transmission Holding Fixture (Use with J 3289-20)		J 21427-01	Speedo Gear Remover (Pontiac) (Use with J 8433) (Buick)
	J 8853	Press Plate (Buick)		J 21465-01	Bushing Service Set
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Planet Carrier Bushing Remover) (Use with J 7004-1) (Olds.)		J 21470	Speedo Gear Installer (Buick)
	J 9578-01	Speedo Gear Remover (Buick)		J 21547	Modulator Valve Spring Compressor (Buick)
	J 9717-2	Shifter Shaft Seal Installer (Olds.)		J 21558	Check Valve Installer (Buick, Olds.)
	J 21359	Pump Oil Seal Installer (Buick, Olds. Small Shaft)		J 21654	Converter Holding Tool (Olds.)
	J 21361	Check Valve Seat Remover (Use with 3/8" x 16 Thread Slide Hammer)		J 21664	Compressor Adaptor (Use with J 4670-01 & J 6129)
	J 21366	Converter Holding Strap (Buick)		J 22269-01	Low Servo Cover Remover & Installer (Buick, Olds.)
	J 21368	Pump Body & Cover Alignment Band (Olds., Buick)		J 22976	Governor Bore Bushing Installation Tool Set
	J 21369-01	Converter Leak Test Fixture		J 23327	Reverse Clutch Spring Compressor
	J 21371	Converter Stator & Turbine End Play Checking Fixture (Buick, Pontiac, Olds.)			





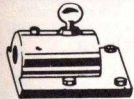





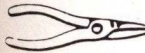



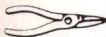

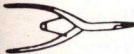

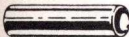





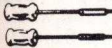

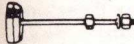





**Automatic**TURBO HYDRA-MATIC 250 & 350—CHEVROLET,  
OLDS, PONTIAC (M-38), BUICK

	J 2590-02	Clutch Spring Compressor (Buick)		J 21465-15	Stator Shaft Bushing Remover (Use with J 8092)
	J 2619-01	Slide Hammer (5/8" x 18 with 1/2" x 13 Adapter)		J 21465-17	Converter Hub & Extension Housing Bushings Remover & Installer (Use with J 8092) Large Prop Shaft
	J 3289-20	Transmission Holding Fixture Base (Used with J 8763-02)		J 22269-01	Direct Clutch Accumulator Piston Remover & Installer
	J 5586	External Vacuum Grip Snap Ring Pliers		J 22976	Governor Bore Bushing Installation Tool Set
	J 7004	Slide Hammers (Pair) (for pump body removal) (3/8" x 16 thread)		J 23062	Bushing Service Tool Set (Use with J 8092)
	J 8092	Driver Handle (Threaded type)		J 23069	Accumulator Cover Remover & Installer
	J 8763-02	Transmission Holding Fixture (Use with J 3289-20)		J 23071	Band Apply Pin Gauge
	J 9534-01	Output Shaft Bushing Remover (Use with J 7004-1)		J 23103	Output Shaft Yoke Seal Remover & Installer (Olds., Buick, Chevrolet)
	J 21359	Pump Oil Seal Installer		J 23112	Pump Check Valve Seat Installer
	J 21366	Converter Holding Strap (Buick)		J 23134	Pump Check Valve Seat Remover
	J 21369-01	Converter Leak Test Fixture		J 23327	Clutch Spring Compressor
	J 21424-7	Stator Shaft Bushing Installer (Front) (Use with J 8092)		J 23329	Direct Clutch Bushing Installer (Use with J 8092) (Chevrolet)
	J 21424-9	Extension Housing Bushing Remover & Installer (Use with J 8092)		J 24367	Transmission Band Adjuster (Turbo 250 Only)
	J 21426	Extension Housing Oil Seal Installer (Small Prop Shaft)		J 24466	Transmission Modulator Checking Tool (T-H 350 & 400)
	J 21465-13	Driver Handle Extension (Use with J 8092)			












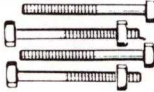
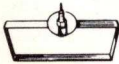

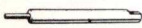
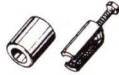












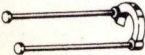

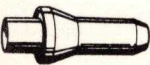

# Automatic

TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK

	J 2590-02	Clutch Spring Compressor (Buick)		J 8001	Dial Indicator Set
	J 3289-20	Base & Screw Assembly (Use with J 8763-02)		J 8059	Snap Ring Pliers—External Parallel Opening Jaws
	J 4646	Internal Snap Ring Pliers— Tru-Arc #5 (Cadillac)		J 8092	Driver Handle (Threaded)
	J 4670-01	Clutch Spring Compressor (See J 6129) (Cadillac, Chevrolet, Olds., Pontiac)		J 8105	Crankshaft Gear Puller (Used to Pull Speedo Gear) (Chevrolet)
	J 5207	#25 Internal Snap Ring Pliers For Pump Shaft Bearing Retainer Remover & Installer		J 8124-01	Oil Passage Blow Gun—Air— Hose Adapter
	J 5384	Converter Assembly Holding Tool (Use with J 21366) (Chevrolet)		J 8433	Speedo Gear Puller (used with J21427-01)
	J 5403	Snap Ring Pliers for Low Band Drive Valve (#21 Internal)		J 8763-02	Transmission Holding Fixture (Use with J 3289-20 Base)
	J 5586	Snap Ring Pliers—External Vacuum Grip (Buick, Pontiac)		J 9539	Front Pump Slide Hammer Adapter (Pair) (Use with J 6125) (Chevrolet) (3/8"—16 Thread)
	J 5590	Speedometer Gear Installer		J 9578-01	Speedo-Gear Remover (Use with J 21427-01) (Buick)
	J 5907	Universal Pressure Gauge Set (0-300 P.S.I.) 9 ft. Hose		J 9640	Extension Housing Bushing Remover & Installer (Buick)
	J 6116-01	Clutch Unit Holding Fixture		J 21028	Speedo Gear Installer (Pontiac)
	J 6125	Pump & Support Assembly Remover (Pair) (Cadillac, Olds., Pontiac) (5/16"—18 Thread)		J 21359	Extension Housing & Pump Oil Seal Installer (1972-75)
	J 6129	Rear Unit Release Spring Compressor (Cadillac, Olds., Pontiac)		J 21360	Check Valve Seat Installer
	J 6133-01	Rear Oil Pump Bearing & Speedo Gear Installer (Pontiac)		J 21361	Check Valve Seat Remover (Used with J 7004-1)
	J 7004	Front Pump Assembly Remover (Pair) (Buick) (3/8"—16 Thread)		J 21362	Forward & Direct Clutch Inner Seal Protector





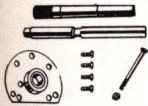



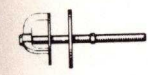




**Automatic**TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK—(Continued)

	J 21363	Second Clutch Inner Seal Protector		J 21465-01	Bushing Service Set
	J 21364	Support Adapter (Use with J 6116-01)		J 21465-17	Extension Housing Bushing Installer-1972-75
	J 21366	Converter Holding Strap		J 21477	Oil Cooler Pipe Wrench (Cadillac, Pontiac)
	J 21367	Rear Sprag Installer (Cadillac, Pontiac)		J 21654	Converter Holding Tool (Olds.)
	J 21368	Pump Body & Cover Alignment Band		J 21661	Speedometer Drive Gear Remover Bolts
	J 21369-01	Converter Leak Test Fixture (Buick, Olds.)		J 21664	Compressor Adapter (Used with J 4670-01) (Cadillac, Chevrolet)
	J 21370-4	Band to Apply Pin Gauge (Used with J 21370-6) (Cadillac)		J 21795-02	Gear Unit Holding Tool (Used with J 7004-1) (Buick, Cadillac, Chevrolet, Olds., Pontiac)
	J 21370-5	Band to Apply Pin Gauge (Used with J 21370-6)		J 21795-4	Thumb Screw (Used with J 21795-02) (Cadillac)
	J 21370-6	Band to Apply Pin Assembly Used with J 21370-4, -5, -7, -8)		J 21797	Speedometer Drive Gear Bolts (Used with J 21427-01) (Cadillac)
	J 21370-7	Band to Apply Pin Gauge (Used with J 21370-6, -8) (Toronado, Eldorado)		J 21904	Speedometer Gear Removing Bolts (Use with J 8433) (Pontiac)
	J 21370-8	Band to Apply Pin Selector Plate (Used with J 21370-6, -7) (Toronado, Eldorado)		J 22182	Extension Housing Bushing Remover & Installer (Chevrolet)
	J 21371	Converter Stator & Turbine End-Play Checking Fixture (Buick, Olds.)		J 22240	Transmission Holding Fixture (Used with J 3289-20 Base or Used with J 22719 & J 23930 Engine Stand) (Toronado, Eldorado)
	J 21409	Forward & Direct Clutch Outer Seal Protector (Buick, Olds.)		J 22241	Forward Clutch End Play Checking Tool (Toronado, Eldorado)
	J 21427-01	Speedo Gear Remover (Used with J 8433)		J 22269-01	Accumulator Piston Remover
	J 21464	Extension Housing Oil Seal Installer (Buick, Cadillac, Chevrolet) (1965-1971)		J 22719	Holding Fixture Adapter (Used to adapt J 22240 to J 23930 Engine Stand) (Toronado, Eldorado)



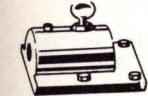









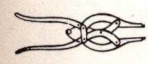

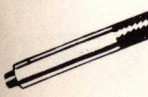



# Automatic

TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK—(Continued)



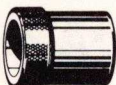




	J 22743	Transmission Holding Bracket (Used with J 8763-02) (Toronado, Eldorado)		J 24146	Cooler Line Wrench—Cad. 72-75
	J 22976	Governor Bore Bushing Installer Tool Set		J 24396	Intermediate Clutch Pack Alignment Tool (T-H 375 & 400)
	J 23093	Center Support Locating Tool		J 24466	Transmission Modulator Checking Tool (T-H 400 & 350)
	J 23327	Reverse Clutch Spring Compressor		J 24675	Front Accumulator Piston Adapter (Use with J 22269-01) T-H 400
	J 23738	Hand Operated Vacuum Pump		J 24684	Pressure Regulator Valve R & R (T-H 400)
	J 24144	Propeller Shaft Yoke Seal Remover & Installer (Olds. 375 Trans.)			

## OPEL 3-SPEED AUTOMATIC TRANSMISSION





















	J 2590-02	Clutch Spring Compressor		J 8400-1	Cape Chisel (Reaction Sun Gear Drum Bushing Remover)
	J 3289-20	Holding Fixture Base (Use with J 8763-02)		J 8763-02	Transmission Holding Fixture (Use with J 3289-20)
	J 3387-2	Aligning Pin ( $\frac{5}{16}$ "—18) (2 required)		J 21359	Converter Housing Seal Installer
	J 5907	Universal Pressure Gauge Set (9 ft. Hose; 0-300 P.S.I.)		J 21369-01	Converter Leak Test Fixture
	J 6459-01	Torque Wrench (0-50 in. lbs.)		J 21424-9	Extension Housing Bushing Remover & Installer (Use with J 8092)
	J 7004-1	Slide Hammer (Use with J 23129) ( $\frac{3}{8}$ "—16 Thread)		J 21426	Extension Housing Seal Installer
	J 8059	External Snap Ring Pliers— Parallel Opening Jaws		J 21465-17	Converter Housing Bushing Remover & Installer
	J 8092	Driver Handle (Threaded type)		J 23075	Servo & Third Clutch Piston Spring Compressor



**Automatic****OPEL 3-SPEED AUTOMATIC TRANSMISSION**  
(Continued)

	J 23080	Second Clutch Piston Seal Installer		J 23129	Converter Housing Seal Remover (Use with J 7004-1 Slide Hammer)
	J 23082	Converter Housing to Oil Pump Aligning Tool		J 23130	Bushing Service Tool Set (Use with J 8092)
	J 23085	Oil Pump Hub to Second Clutch Gauging Tool		J 23729	Torque Wrench (0-50 ft. lbs.)
	J 23100	Vacuum Modulator Wrench 1 3/8"			

**Rear Axle Shaft****BEARING REMOVERS AND INSTALLERS**

	J 943	Axle Bearing Cup Remover	CAD.—1970-75		J 9436-01	Axle Bearing & Retainer Ring Installer (Use with J 358-1)	CHEVY II—1962-63
	J 2986-01	Axle Shaft Bearing Remover & Installer	CAD.—All thru 1969		J 21022-02	Axle Shaft Bearing Installer (Used with J 358-1)	PONT.—1963-70 8 3/4" Ring Gear
	J 6257	Axle Shaft Bearing Retainer Ring Installer (Used with J 6407 Holder)	BUICK—1963 CAD.—1957-75		J 21051	Axle Shaft Bearing & Oil Seal Installer (Used with J 8092 Handle)	PONT.—1964-70
	J 6525-01	Axle Shaft Bearing Remover	ALL GM Used with hydraulic equip.		J 21684	Axle Shaft Bearing Installer	OPEL KADETT— thru 75
	J 6661	Axle Shaft Bearing and Retainer Ring Installer	CHEV.—1957-64		J 21721	Axle Shaft Bearing Remover (Used with J 8805-01)	OPEL KADETT— thru 75
	J 8609	Axle Shaft Bearing & Retainer Inst.	BU., CHEV., OLDS., PONT.—Small & Lg. Shaft 1970-75		J 21858	Axle Bearing Remover (Used with J 6407)	PONT.—1965-70
	J 8621	Axle Shaft Bearing Remover Adapter (Used with J 6525-01)	BU.—1961-64: 40-41; 1961-68: 43; 1965-69: 44-45; 1968: 46-48-49		J 22813-01	"C" Lock Axle Shaft Bearing & Seal Remover (Used with J 2619-01)	PONT., BU., CHEV., OLDS.—1968-75 Small Shaft
	J 8853	Axle Shaft Bearing & Retainer Installer (Used with J 6407 Holder)	OPEL—1968-75 1.5 & 1.9 Liter		J 22935	Axle Shaft Bearing Remover (Used with J 2619-01)	OPEL—1968-75 Big Axle
	J 8877	Axle Shaft Bearing Remover	OLDS.—1961-67 F-85—1961-67		J 22936	Axle Shaft Bearing Installer (Used with J 8092)	OPEL—1968-75 Big Axle
	J 8916	Axle Shaft Bearing Remover	CHEV.—1957-64 CHEVY II—1962-64 CORVAIR—1960-64 TEMP.—1961-63		J 23133	Axle Shaft Bearing Remover	BUICK—1969-75



**Rear Axle Shaft**
**BEARING REMOVERS AND INSTALLERS**  
(Continued)



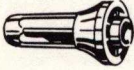


	J 23399	Axle Shaft Bearing Plate & Remover	CAD.—1970-75		J 23690	"C" Lock Axle Shaft Bearing Installer	OLDS.—1971-75 BUICK.—1971-75 PONT.—1971-75 CHEV.—1971-75 Large Shaft
	J 23441	Axle Shaft Bearing Remover	OLDS.—1970-75 Small Shaft CHEV.—1970-75 Small Shaft		J 23765	"C" Lock Axle Shaft Bearing Installer	OLDS.—71-75 BUICK.—71-75 PONT.—71-75 CHEV.—71-75 Small Shaft
	J 23469	Axle Shaft Bearing Remover	PONT.—1970-75 Small Shaft		J 24488	Rear Wheel Bearing Greaser	CORVETTE—1963-75
	J 23507	Axle Shaft Bearing Remover	BU.—1970 Estate Wagon		J 24489	Axle Bearing Remover (Use with J 8433 Holder)	CORVETTE—1963-75
	J 23674	Axle Shaft Bearing Remover	OLDS., CHEV., & PONT.—1969-75 Large Shaft		J 24490	Rear Wheel Spindle Installer	CORVETTE—1963-75
	J 23689	"C" Lock Axle Shaft Bearing & Seal Rem. (use with J 2619-01)	OLDS.—1971-75 BUICK.—1971-75 PONT.—1971-75 CHEV.—1971-75 Large Shaft		J 24626	Corvette Shim Selector	CORVETTE—1963-75

**SEAL REMOVERS, INSTALLERS, SPACERS & PROTECTORS**






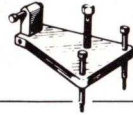


	J 943	Axle Shaft Seal Remover	ALL		J 21129	Axle Shaft Seal Installer	BU.—1964-67: 40-41 43-44-45; 1964-65: 46-48 OLDS.—1964 TEMP.—1966-70 FIREBIRD—1967-69
	J 8119	"C" Lock Axle Shaft Seal Remover (Used with J 2619-01 Hammer)	ALL		J 21788	Axle Shaft Seal Installer	AMC—8 $\frac{1}{8}$ " Ring Gear Axles
	J 8610-01	Axle Shaft Seal Installer	ALL		J 21796	Axle Shaft Seal Installer	PONT.—1965-70
	J 9431	Axle Shaft Seal Installer	AMC ALL—7 $\frac{1}{16}$ " Ring Gear Axles		J 21837	Drive Spindle Inner Seal Installer	CORVAIR—1965-68
	J 21010	Axle Shaft Seal Remover	CAD.—1963-69		J 21842	Drive Spindle Outer Seal Installer	CORVAIR—1965-68
	J 21011	Axle Shaft Seal Installer	CAD.—1963-69		J 21871	Axle Shaft Seal Installer	OLDS.—1965-70
	J 21051	Axle Shaft Bearing & Seal Installer	PONT.—1964-68		J 22679	Axle Shaft Seal Installer	OLDS. F-85—1968
	J 21128	"C" Lock Axle Shaft Seal Installer	BU., OLDS., PONT., CHEV.—1968-75 Large Shaft		J 22680	Axle Shaft Seal Installer	OLDS.—1968 Wagon



**Rear Axle Shaft** SEAL REMOVERS, INSTALLERS, SPACERS & PROTECTORS  
(Continued)




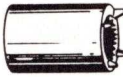
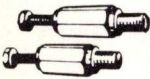


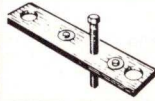
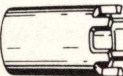

	J 22749	Axle Shaft Seal Installer	BU.—1967-68 45 Series 69-70 (43-44)		J 23693	Axle Shaft Seal Installer	OLDS.—1965-70
	J 22892	Axle Shaft Seal Installer	BU.—1968 45 Series		J 23771	"C" Lock Axle Shaft Seal Installer	OLDS., BU., PONT., CHEV.—1971-75 Small Shaft
	J 23389	Axle Shaft Seal Protector	CAD.—1970-75 697 & 698				

## REMOVERS &amp; GAUGES

	J 2092	Axle Shaft End Play Gauge	AMC—All		J 21831	Drive Spindle Remover (2 Req'd)	CORVAIR—1965-68
	J 2498	Axle Shaft Remover	AMC—All		J 21836	Drive Spindle Spacer Selector Gauge	CORVAIR—1965-68
	J 8805-01	Axle Shaft Remover (Used with J 2619-01 Hammer)	OPEL—All thru 1975		J 22602-01	Drive Spindle Remover	CORVETTE—1963-73
	J 21579	Axle Shaft Remover (Used with J 2619-01 Hammer)	All non-C Lock GM axles		J 24626	Rear Axle Shim Selector	CORVETTE—1963-75

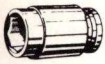
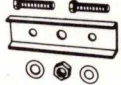



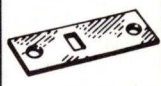

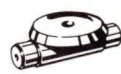


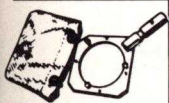

**Pinion**

## COMPANION SHAFT AND GENERAL














	J 8614-01	Companion Flange Holder & Remover	ALL CARS		J 21699-01	Pinion Bearing Preload Adjusting Nut Wrench	OPEL KADETT—thru 1971, 1.1 Liter
	J 9458	Companion Flange Installer	CHEVY II—1962-73 8½ ring gear		J 21781	Pinion Holding Wrench	AMC—1965-66: 10-50-80 (232, 287, 327) 1966: 01 (290) Large Axle
	J 21044-01	Companion Flange Holder Remover Adapters (Set of 2) (Used with J 8614-01)	CAD.—1963-75		J 22399	Drive Pinion Wrench	OPEL KADETT—thru 1971, 1.1 Liter
	J 21619	Companion Flange Remover Adapter (2 Req'd)	BU.—1964-65: 46-48 1964: 44-47 1965: 45-49 1968-70: 46-48-49		J 22535	Pinion Holding Tool	CHEV.—1965-75 BUICK—1965-75 PONT.—1963-75 OLDS.—1965-75
	J 21697-01	Companion Flange Nut Wrench	OPEL KADETT—thru 1971, 1.1 Liter		J 22536	Pinion Driver	CHEV., BU., PONT., OLDS.—1965-75



**Pinion****COMPANION SHAFT AND GENERAL  
(Continued)**










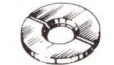








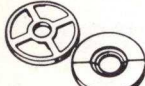
	J 22575	Companion Flange Nut Socket	AMC—1967-75 8 $\frac{1}{2}$ " Ring Gear		J 23324	Pinion Assembly Puller	CAD.—1970-75
	J 22932	Pinion Holding Wrench	OPEL—1968-75 1.5 & 1.9 Liter		J 23410	Torque Multiplier	CAD.—1970-75
	J 22937-01	Pinion Barrel Spline Remover	OPEL—1968-75 1.5 & 1.9 Liter		J 23413	Torque Multiplier Link (Used with J 23410)	CAD.—1970-75
	J 22938-01	Pinion Barrel Spline Installer	OPEL—1968-75 1.5 & 1.9 Liter		J 23906	Companion Flange Runout Gauge (Single Cardan)	ALL GM SAGINAW Propshaft
	J 23311	Pinion Guide Pin (3 Required)	CAD.—1970-75		J 24649	Drive Pinion & Yoke Run-out Gauge (Use with J 7872)	AMC
	J 23320	Pinion Assembly Holding Fixture	CAD.—1970-75		J 24798	Companion Flange Runout Gauge (Double Cardan) use with J 7872	ALL GM

**BEARING AND CUP REMOVERS AND INSTALLERS**









	J 270-14	Rear Pinion Bearing Installer (Used with J 8092 Handle)	ALL—Spicer 23 CHEV.—1964-73 8 $\frac{1}{2}$ " ring gear		J 7817	Front Pinion Bearing Installer (Used with J 8092 Handle)	DANA-30 BU.—1964-66: 40-41 1964-70: 43-44-45 CHEV.—1962-73 OLDS.—1964-65 AMC—1961-75 small axle 7 $\frac{1}{16}$ " PONT.—1964-73 8 $\frac{1}{2}$ " Ring Gear; 1975—6 $\frac{1}{2}$ " & 7 $\frac{1}{2}$ " CHEV.—1971-75—6 $\frac{1}{2}$ " & 7 $\frac{1}{2}$ "
	J 996	Rear Pinion Bearing Remover (Used with J 358-1 Holder)	CHEV.—1946-50				
	J 3243	Front Pinion Bearing Cup & Installer (Use with J 8092)	AMC—1958-64: V-8 1964: 10 (232)		J 7818	Rear Pinion Bearing Installer (Used with J 8092 Handle)	CHEVY II—1962-72 PONT.—1963 AMC—1968-75 7 $\frac{9}{16}$ " Small Axle OLDS.—1963-64 OPEL—1968-75 1.5 & 1.9 Liter DANA 30 CHEV., PONT.—1975 7 $\frac{1}{2}$ "
	J 3940	Bearing Cup Remover	UNIVERSAL				
	J 5590	Rear Pinion Bearing Installer	DANA-30 CHEV.—1964-73 8 $\frac{1}{2}$ " Ring Gear 1971-75 6 $\frac{1}{2}$ ", 7 $\frac{1}{2}$ " Ring Gear AMC—7 $\frac{9}{16}$ " R.G.		J 8608	Rear Pinion Cup Installer (Used with J 8092 Handle)	AMC—1965-75 8 $\frac{1}{2}$ " BU., CHEV., PONT., OLDS.—1964-75 8 $\frac{1}{2}$ " Ring Gear
	J 6197	Pinion Bearing Cup Installer (Used with J 8092 Handle)	CAD.—1970-75 BUICK—1971-62 (Front) 44-46-47-48 1970: All OLDS.—1957-64 (Front) Series PONT.—1957-75 8 $\frac{1}{2}$ "		J 8609	Rear Pinion Bearing Cone Installer (Used with J 6407)	OLDS.—1964-75 BUICK—1964-75 CHEV.—1964-75 PONT.—1964-75 8 $\frac{1}{2}$ " Ring Gear
	J 6547	Rear Pinion Bearing Installer (Used with J 6407 Holder)	CHEV.—1965-75 BUICK—1970-75 OLDS.—1957-75 PONT.—1959-75 8 $\frac{1}{2}$ " & 9 $\frac{1}{2}$ " Ring Gear		J 8611-01	Front Pinion Cup Installer (Used with J 8092 Handle)	AMC—1965-75 8 $\frac{1}{2}$ " Ring Gear BU., CHEV., PONT., OLDS.—1964-75 8 $\frac{1}{2}$ " Ring Gear OPEL—1968-75 1.5 & 1.9 Liter PONT.—1975 6 $\frac{1}{2}$ " CHEV.—1971-75 6 $\frac{1}{2}$ " CAD.—1970-75
	J 7028	Rear Pinion Bearing Remover (Used with J 358-1 Holder)	CHEV.—1957-70 CORVAIR—1960-65				



**Pinion****BEARING AND CUP REMOVERS AND INSTALLERS**  
(Continued)







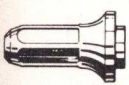


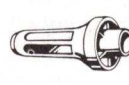
	J 8612	Rear Pinion Bearing Remover	BU.—1968-75 OLDS.—1968-75 PONT.—1968-75 CHEV.—1968-75 8½" Ring Gear		J 21786	Rear Pinion Bearing Cup Remover (Use with J 8092)	AMC—8⅞" Ring Gear Axles
	J 9349	Rear Pinion Bearing Cup Remover (Use with J 8592 Handle)	AMC—1961-75 7⅞" Ring Gear		J 21787	Front Pinion Bearing Cup Remover (Use with J 8092)	AMC—8⅞" Ring Gear Axles
	J 9351	Front Pinion Bearing Cup Remover (Use with J 8592 Handle)	AMC—1961-75 7⅞" Ring Gear		J 22734	Rear Pinion Bearing Remover (Use with J 6407 Holder)	CHEV.—1965-70 Heavy Duty
	J 9745	Rear Pinion Bearing Cup Installer (Used with J 8092 Handle)	BU., OLDS., PONT., CHEV.—1963-75 8⅞"-9⅞" Ring Gear		J 22912	Rear Pinion Bearing Remover	CHEV., PONT. 6⅞" Ring Gear OPEL—thru 1975
	J 9746-02	Rear Pinion Bearing Remover	BU., OLDS., PONT., CHEV.—1963-75 8⅞"-9⅞" Ring Gear		J 23301	Rear Pinion Bearing Remover	CHEV.—1968-70 Light Duty
	J 21022-02	Rear Pinion Bearing Installer	6⅞", 7⅞" & 8⅞" Ring Gear		J 23314	Rear Pinion Bearing Installer	CAD.—1970-75
	J 21493-01	Rear Pinion Bearing Remover	BU.—1964-67; 40-41-43-44-45 OLDS.—1964-68 lower series PONT.—1964-73 CHEV.—1964-73 8⅞" Ring Gear		J 23321	Inner & Outer Bearing Cup Remover (Use with J 8092 Handle)	CAD.—1970 Inner only; 1971-75—All
	J 21692	Front Pinion Bearing Cup Installer (Use with J 8092 Handle)	OPEL KADETT 1971 1.1 Liter		J 23671	Outer Pinion Bearing Cup Remover (Use with J 8092 Handle)	CAD.—1970-75
	J 21693	Rear Pinion Bearing Cup Installer (Use with J 8092 Handle)	OPEL KADETT— thru 1971 1.1 Liter		J 25320	Rear Pinion Bearing Remover	GM—H Series 7⅞" Ring Gear
	J 21694	Pinion Bearing Cup Remover & Installer (Used with J 358-1)	OPEL KADETT— thru 1971 1.1 Liter				

**SEAL REMOVERS AND INSTALLERS**







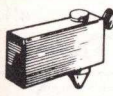
	J 8340-01	Pinion Adjusting Sleeve Seal Installer	CORVAIR—with Automatic Trans. TEMP.—1961-63 21 Series		J 21005-01	Pinion Oil Seal Installer	BU.—1963-70: 46-48 1962-64: 44-47 1965-70: 45-49
	J 9233	Pinion Oil Seal Remover	AMC—1967-75		J 21113	Pinion Oil Seal Installer	CAD.—1963-69
	J 9347	Pinion Oil Seal Protector	AMC—1961-75 7⅞" Ring Gear		J 21128	Pinion Oil Seal Installer	PONT., BUICK 1965-75
	J 9348	Pinion Oil Seal Installer	AMC—1961-75 7⅞" Ring Gear		J 21285-01	Pinion Oil Seal Installer	OLDS.—1964-70 PONT.—1963-73 8⅞"



**Pinion**
**SEAL REMOVERS AND INSTALLERS**  
(Continued)



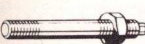



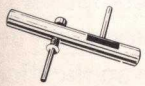

	J 21468	Pinion Oil Seal Installer (Use with J 9458)	CHEV.—1964-73 light duty 8½" ring gear		J 22804-2	Pinion Oil Seal Spacer	GM—8½" Ring Gear Axles GM—1975 6½, 7½ & 8½" Ring Gear
	J 21698	Pinion Oil Seal Installer	OPEL KADETT—thru 1971 1.1 Liter		J 22836	Pinion Oil Seal Installer	CHEV.—1968-70 OLDS.—"C" Axles thru 70 PONT.—"C" Axles thru 70
	J 22388	Pinion Oil Seal Installer	BU., CHEV., OLDS., PONT.—1971-75		J 22931	Pinion Oil Seal Installer	OPEL—1968-75 1.5 & 1.9 Liter
	J 22661	Pinion Oil Seal Installer	AMC—All Axles		J 23318	Pinion Oil Seal Installer	CAD.—1970-75
	J 22804-1	Pinion Oil Seal Spacer	GM—8½" Ring Gear Axles		J 23911	Pinion Oil Seal Installer (Use with J 22804-2 Spacer)	PONT., CHEV. 8½" Ring Gear Axles GM 6½", 7½" & 8½" Ring Gear

**SETTING GAUGES—AMC PINION SETTING GAUGE CHART\***

		1959 thru 1964	1965 thru 1967	1968 thru 1975			1959 thru 1964	1965 thru 1967	1968 thru 1975
	J 5223-4 Shaft	X	X	X		J 5223-23 Disc—2 Req.		10-50-80	8½" Ring Gear
	J 5223-5 Disc—2 Req.	10-80				J 5223-24 Bar		10-50-80	X
	J 5223-14 Bar Screw	X	X	X		J 6381-2 Disc—2 Req.	X	01	7½" Ring Gear
	J 5223-20 Gauge Block Assy.	X	X	X					

\*For complete tool to service all American Motors Axles order Part No. J 5223-03.

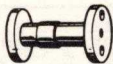

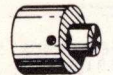
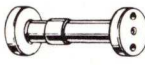


**SETTING GAUGES—GM—H SERIES**

		1971-75			1971-75
	J 21777-42 Front Bearing Pilot	X		J 23597-4 Disc (2 Req.) 6½" Ring Gear (Part of J 23597-01)	X
	J 21777-43 Stud & Nut Pinion Bearing Preload	X		J 23597-11 Gauge Plate 6½" & 7½" Ring Gear (Part of J 23597-01)	X
	J 21777-45 Disc (2 Req.) 7½" Ring Gear	1975		J 23597-12 Pilot Washer 7½" Ring Gear (Part of J 23597-01)	X
	J 23597-1 Body & Plunger Ass'y. (Part of J 23597-01)	X		J 23597-13 Pilot Washer 6½" Ring Gear (Part of J 23597-01)	X

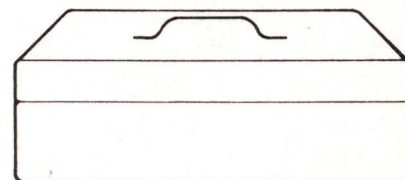
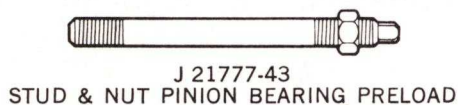
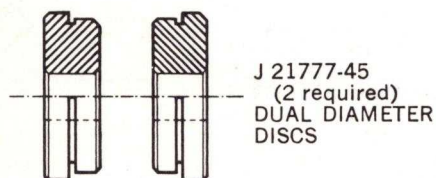
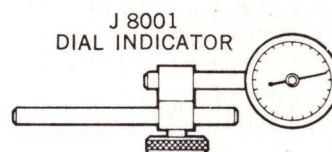
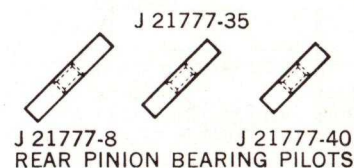
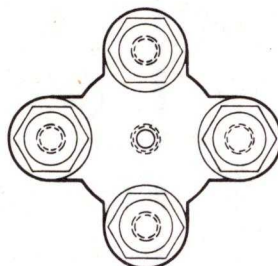
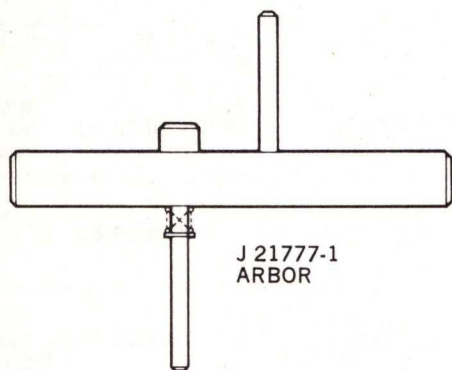
For complete tool listing and price information, refer to the Numerical Price List.



**Pinion**
**SETTING GAUGES—Opel Pinion Setting Gauge Chart\***

		ALL 1.1 Liter Thru-1971	1968-75			ALL 1.1 Liter Thru-1971	
	J 21691-1 Body	X	X		J 21691-5 Pilot Washer		X
	J 21691-2 Gauge Ass'y.	X	X		J 21691-6 Body		X
	J 21691-4 Gauge Plate		X		J 21691-7 Hardware Kit		X

\*For complete tool to service all Opel Axles order Part Number J 21691-01.

**SETTING GAUGE SET—GM—Buick, Chevrolet, Oldsmobile, and Pontiac**
**J 21777-01**

**ADAPTER SETS**

J 21777-50	1968-1975 Toronado
J 21777-23	"C" Type 12 Bolt Axle Only 1965-1970
J 21777-36.	1965-1970 Buick 1963-1975 Corvette 1965-1975 Chev. Truck
J 21777-11 J 21777-12	1966-1968 Toronado

J 21777-01 INCLUDES THE ABOVE ITEMS (Services All 1971-75 8 1/8", 8 1/2", 8 7/8", & 9 3/8" GM Ring Gear (Outside Dia.) Axles

J 21777-500 INCLUDES ALL THE ABOVE EXCEPT J 8001 DIAL INDICATOR

New Dealers should purchase J 21777-01 and adapter set when required. Existing dealers may inventory their current tools to see if they require any new components. If you now have a complete set of axle service tools use the Equivalent Charts on following pages for application.



**Pinion**
**SETTING GAUGE SET—GM—Buick, Chevrolet, Oldsmobile, and Pontiac  
(Continued)**
**BUICK EQUIVALENT CHART**

Previously Released Tool Number	Description	Application	New Tool Number
J 5647-40	Side Bearing Disc (1 req'd)	1966 Series 1971-75 9 $\frac{3}{8}$ Ring Gear Axles	<b>J 21777-45</b> (2 req'd)
J 5647-41	Side Bearing Disc (1 req'd)	1966-67 Upper Series 1968-70 Upper & Lower Series "C" Axle 1971-75 9 $\frac{3}{8}$ Ring Gear Axles	
J 5647-46	Side Bearing Disc (1 req'd)	1971-75 8 $\frac{1}{2}$ Ring Gear Axles	
J 8619-10	Side Bearing Disc (1 req'd)	1971-75 8 $\frac{1}{2}$ Ring Gear 1968-70 "C" Axle	
J 8619-15	Side Bearing Disc (1 req'd)	1971-75 8 $\frac{1}{2}$ Ring Gear 1968-70 "C" Axle	
J 5647-45	Gauge Plate	1971-75 8 $\frac{1}{2}$ Ring Gear Axles	<b>J 21777-29</b> (1 req'd) 4 step gauge plate
J 5647-47	Gauge Plate	1971-75 9 $\frac{3}{8}$ Ring Gear Axles	
J 8619-11	Gauge Plate	1964-67 Lower Series Axles	
J 5647-37	Front Pinion Bearing	All Axles	<b>J 21777-42</b>
J 8619-12	Pilots		
J 8619-13	Stud Nut Pinion & Bearing Preload	All Axles	<b>J 21777-43</b>
J 5647-36	Gauge Plate	1964-67 Upper Series	<b>J 21777-36</b>
J 5647-44	Gauge Plate	1968-70 Upper & Lower Series 1968-70 Upper & Lower Series	
J 5647-42	Side Bearing Disc (1 req'd)	1966-67 Upper Series 1968-70 Upper & Lower Series	
J 5647-38	Gauge Ass'y	All Axles	No Substitute Required
J 8619-1			
J 5647-9	Gauge Blocks	All Axles	No Substitute Required
J 8619-2			
J 8001	Dial Indicator	All Axles	Same
No Comparable Tool	Arbor & Plunger Ass'y	All Axles	<b>J 21777-1</b>
No Comparable Tool	Rear Pinion Bearing Pilot	1971-75 9 $\frac{3}{8}$ Ring Gear Axle	<b>J 21777-8</b>
No Comparable Tool	Rear Pinion Bearing Pilot	1971-75 8 $\frac{1}{2}$ Ring Gear Axle	<b>J 21777-35</b>
J 8619-14	Gauge Plate	1968-70 "C" Axle	<b>J 21777-23</b>

**CHEVROLET EQUIVALENT CHART**

Previously Released Tool Number	Description	Application	New Tool Number
J 6266-27	Side Bearing Disc (barrel)	1963-75 All	<b>J 21777-45</b> (2 req'd)
J 6266-31	Barrel Adapter Req'd for H.D. Axles	1963-75 All	
J 6266-27	Barrel—Arbor & Plunger Ass'y	1963-75 All	<b>J 21777-1</b>
J 6266-52 (2 step)	Low Step Gauge Plate High Step Gauge Plate	1965-72 8 $\frac{1}{8}$ Ring Gear 1963-75 10 Series Truck	<b>J 21777-29</b> <b>J 21777-36</b>
J 6266-53 (2 step)	Low Step Gauge Plate (Corvette) High Step H.D. Gauge Plate	1963-75 (Corvette) 1964-70 H.D. Chev. 8 $\frac{7}{8}$ Ring Gear	<b>J 21777-36</b> <b>J 21777-23</b>
J 6266-54 (2 step)	Gauge Plate G.M. Std. Axles	1971-75 8 $\frac{1}{2}$ & 8 $\frac{7}{8}$ Ring Gear	<b>J 21777-29</b>
J 6266-17	Stud & Nut Pinion Bearing Preload	1964-75 All Axles	<b>J 21777-43</b>
J 6266-25	Front Pinion Bearing Pilot	1964-75 All Axles	<b>J 21777-42</b>
No Comparable Tool	Rear Pinion Brg. Pilot	1971-75 Axles 8 $\frac{7}{8}$ Ring Gear	<b>J 21777-8</b>
No Comparable Tool	Rear Pinion Brg. Pilot	1965-75 Axles 8 $\frac{1}{2}$ Ring Gear	<b>J 21777-35</b>
No Comparable Tool	Rear Pinion Brg. Pilot	1965-72 Axles 8 $\frac{1}{8}$ Ring Gear	<b>J 21777-40</b>

For complete tool listing and price information, refer to the Numerical Price List.



**SETTING GAUGE SET—GM—Buick, Chevrolet, Oldsmobile, and Pontiac  
(Continued)**

**OLDSMOBILE EQUIVALENT CHART**


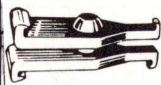






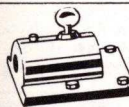











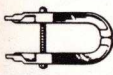










Previously Released Tool Number	Description	Application	New Tool Number
J 8619-10 J 21777-3	Side Bearing Disc (2 req'd) Side Bearing Disc (2 req'd)	1965-75 8½ Ring Gear 1965-75 9¾ Ring Gear 1975 Ring Gear	<b>J 21777-45</b> Disc (2 req'd)
J 21777-1	Arbor & Plunger Ass'y	1965-75 All Axles	Same
J 21777-2 J 21777-21	Gauge Plate 8½ & 8¾ Ring Gear Gauge Plate 8½ & 9¾ Ring Gear	1956 & earlier 1966 Olds & F-85 1966-75 All Axles	<b>J 21777-29</b>
J 21777-23	"C" Axle Gauge Plate	1968-69 Cutlass using the "C" axle	Same
J 21777-8	Rear Pinion Bearing Pilot	1965-75 9¾ Ring Gear	Same
No Comparable Tool	Rear Pinion Bearing Pilot	1965-75 8½" Ring Gear	<b>J 21777-35</b>
J 8619-12	Front Pinion Bearing Pilot	1964-75 All Axles	<b>J 21777-42</b>
J 8619-13	Stud & Nut Pinion Bearing Preload	1965-75 All Axles	<b>J 21777-43</b>
1968-75 TORONADO ORDER J 21777-50 WHICH INCLUDES:			
J 21777-10	Gauge Plate	1966-75	Same
J 21777-13	Preload Screw	1966-75	Same
J 21777-22	Side Bearing Disc (2 req'd)	1968-75	Same
J 21579	Preload Plate & Axle Shaft Rem.	1966-75	Same
1966-68 TORONADO ADDITIONAL COMPONENTS REQUIRED			
J 21777-11	Side Bearing Disc (1 req'd)	1966-68	Same
J 21777-12	Side Bearing Disc (1 req'd)	1966-68	Same

**PONTIAC EQUIVALENT CHART**

Previously Released Tool Number	Description	Application	New Tool Number
J 8619-10  J 21777-3	Side Bearing Disc (2 req'd) 8½ & 8½ Ring Gear  Side Bearing Disc (2 req'd)	1964-70 Temp. 1968-70 F.B. 1971-72 Non "C" B & O axles "C" Lock G & K 1971-73 Ventura 1965-75 Pont. 8¾-75 1970 "C" Type 12 bolt axle 1975-6½" & 7½" Ring Gear	<b>J 21777-45</b>
J 21777-23	Gauge Plate	1970 "C" Type 12 bolt axle	Same
J 21777-1	Arbor & Plunger Ass'y	All Axles	Same
J 5647-37 J 8619-12  1971-72 F.B. 8½	Front Pinion Bearing Pilot Front Pinion Bearing Pilot	"C" 12 Bolt axle 1971-75 Ventura 1964-75 Temp. 1965-75 Pont. 1971-75 F.B. 8½ Pont 8½ Pont. 8¾	<b>J 21777-42</b>
J 8619-13	Stud & Nut (Pinion Brg. Preload)	All Axles	<b>J 21777-43</b>
J 21777-2 J 21777-26	Gauge Plate Gauge Plate	1965-75 8½ & 8¾ Ring Gear 1971-75 8½ Ring Gear	<b>J 21777-29</b>
J 21777-8	Rear Pinion Bearing Pilot	1965-75 8¾ Ring Gear	Same
No Comparable Tool	Rear Pinion Bearing Pilot	1971-75 8½ Ring Gear	<b>J 21777-35</b>
No Comparable Tool	Rear Pinion Bearing Pilot	1971-73 8¾ Ring Gear	<b>J 21777-40</b>





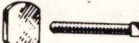








# Differential Tools

	J 972	Adjusting Nut Wrench	CORVAIR—1960-64 OLDS.—1957-60 PONT.—thru 1965 F-85—1961-65		J 22311	Positraction Spring Compressor	CORVETTE—1966-75 Eaton Unit
	J 2100-02	Side Bearing Installer	DANA 30 AMC—1955-75 7 $\frac{1}{16}$ " Ring Gear		J 22539	Side Bearing Installer (Used with J 8092)	BU.—Posi-traction: Left Side thru 70
	J 2241-11	Side Bearing Puller Adapter	OPEL—1968-75 Large Axle		J 22584	Ring Gear & Case Bearing Installer (Used with J 21322-01)	OLDS.—Late 1966-67
	J 3289-01	Differential Carrier Holding Fixture (Use with J 8622)	Univ. All Axles		J 22588-03	Side Bearing Remover	BU.—All OPEL—All
	J 3289-20	Base Assembly (Part of J 3289-01)	Universal Base Assembly for use with J 21533, J 3289-01, J 6117, J 6638, J 7009-01, J 7896-01, J 8763-02		J 22761	Side Bearing Installer (Used with J 8092)	CHEV. PONT. OLDS. BU.—1967-75 8 $\frac{1}{8}$ ", 8 $\frac{1}{2}$ " Ring Gear
	J 8615	Side Bearing Installer Adapter (Used with J 22588-02)	F-85—1961-63 BU.—1961-63: 40-41-43 OLDS.—Upper Series 1965		J 22771	Side Bearing Installer (Used with J 8092)	BU.—1966—Late 1967-68: 46-48-49 1968-70: 43-44-45 Left Side Only
	J 8622	Axle Housing Holding Fixture Adapter (Use with J 3289-01)	UNIVERSAL —All Axles		J 22779	Side Bearing Preload and Backlash Gauge	CHEV.—1968-75
	J 21322-01	Ring Gear & Case Remover (Used with 5/8" x 11 Slide Hammer) (See J 22584)	BU.—1964: 40-41 1964-65: 43-44 1968-75: 43-44 1968-75: 43-44-45 OLDS.—1961-76 PONT.—thru 1975 8 $\frac{1}{2}$ " Ring Gear		J 22888	Side Bearing Remover	ALL
	J 21683	Side Bearing Puller Adapter (Used with J 22588-02)	OPEL KADETT—thru 1971 Small Axle		J 22888-9	Side Bearing Remover Adapter Plugs (Consists of J 8107-2, J 8107-3, J 8107-4 and J 8107-5)	CHEV.—All PONT.—All OLDS.—All AMC—All
	J 21695	Side Bearing Installer (Used with J 8092)	OPEL KADETT—thru 1971 Small Axle		J 22888-02	Side Bearing Remover (Consists of J 22888 and J 22888-9)	CHEV.—All PONT.—All OLDS.—All AMC—All
	J 21752	Positraction Coil Spring Compressor	CHEV.—1964-67 DANA		J 22919	Side Bearing Installer	OPEL—1968-75 1.5 & 1.9 Liter
	J 21784	Side Bearing Installer	AMC—1965-68: 10-80 (232-287-327)		J 22939	Side Bearing Puller Leg (Used with J 22588-02)	OPEL—All thru 1975
	J 21991	Carrier Bushing Remover	CORVETTE—1965-70 CHEV.—1965-70 CHEVELLE—1965-70 CHEVY II—1965-70		J 22962	Left-Hand Bolts for Differential Case Remover (Used with J 21322-01)	BU.—1968: 43-44-45
	J 22042	Left Hand Bolt and Sleeve Set (Use with J 21322-01)	OLDS.—1965-75 PONT.—Late 1965-68 8 $\frac{1}{2}$ " Ring Gear		J 23310	Thrust Washer Aligning Pin	CAD.—1970-75
	J 22175	Side Bearing Installer	PONT.—1964-75 BU.—1964-75 CORVAIR—1964-75 OLDS.—1964-75 CHEV.—1964-75 8 $\frac{1}{8}$ ", 9 $\frac{1}{8}$ " Ring Gear		J 23316	Ring Gear Guide Pin (3 Required)	CAD.—1970-75
					J 23317	Differential Bearing Cone Installer	CAD.—1970-75



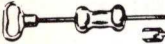










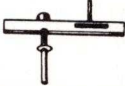




**Differential Tools**

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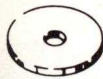
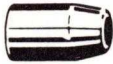




























	J 23322	Straddle Bearing Installer	CAD.—1970-75		J 23598	Side Bearing Remover Plug (Used with J 22888)	CHEV., PONT. 6½" Ring Gear
	J 23323-01	Straddle Bearing Remover	CAD.—1970-75		J 23610	Side Bearing Installer (Used with J 8092)	CHEV., PONT. 6½" Ring Gear
	J 23372-01	Case Holding Fixture	CAD.—1970-75		J 23781	Twin Grip Gear Assembly Remover & Inst.	AMC—1971-75 Dana Axle
	J 23398	Adjusting Nut Spanner	CAD.—1970-75		J 24093	Side Bearing and End Play Gauge	OPEL—1972-75
	J 23406	Cone Remover Adapter	CAD.—1970-75		J 25299	Differential Side Bearing Installer used with J 8092	GM H-Series 7½" Ring Gear—1975
	J 23409	Dial Indicator Extension Set	CAD.—1970-75				

**Final Drive Differential Tools**

	J 943	Oil Seal Remover	TORON.—1966-69 ELDOR.—thru 1975		J 8753	Timing Case Aligner & Cover Seal Installer (Used with J 8092)	TORON.—1966-75
	J 2619-01	Slide Hammer ⅝" x 18 Thread with ½" x 13 Adapter	TORON.—1966-75 ELDOR.—thru 1975		J 9745	Rear Pinion Race Installer (Used with J 8092)	TORON.—1966-75
	J 3289-01	Holding Fixtures (Used with J 22296)	TORON.—1966-75 ELDOR.—thru 1975		J 9746-02	Bearing Remover	TORON.—1966-75
	J 8001	Dial Indicator	TORON.—1966-75 ELDOR.—thru 1975		J 21022-02	Front Pinion Bearing Installer (Used with J 6407)	TORON.—1966-75
	J 8092	Driver Handle (Threaded type)	TORON.—1966-75 ELDOR.—thru 1975		J 21470	Output Shaft Bearing Installer	TORON.—1966-67
	J 8433	Puller (See J 22227, J 22229, J 23345)	TORON.—1966-75 ELDOR.—thru 1975		J 21579	Axle Shaft Remover (Used as Pinion Bearing Preload Tool) (Used with J 21777-13)	TORON.—1966-75 ELDOR.—1967-75
	J 8458	Front Pinion Outer Race Installer	TORON.—1966-75 ELDOR.—thru 1975		J 21777-1	Pinion Setting Gauge Body & Pin Assembly	TORON.—1968-75
	J 8614-01	Companion Flange Holder & Remover	TORON.—1966-75 ELDOR.—thru 1975		J 21777-10	Pinion Setting Gauge Plate (Used with J 21777-1)	TORON.—1966-75






**Final Drive Differential Tools** (Continued)

	J 21777-11	Pinion Setting Gauge Disc (Used with J 21777-1)	TORON.—1966-67		J 22231	Differential Side Bearing Installer (Right) (Used with J 8092)	TORON.—1966-75
	J 21777-12	Pinion Setting Gauge Disc (Used with J 21777-1)	TORON.—1966-67		J 22236	Pinion Oil Seal Protector	TORON.—1966-75 ELDOR.—1967-75
	J 21777-13	Pinion Setting Gauge Screw (Used with J 21579)	TORON.—1966-75		J 22237	Hub Remover Spacer Set	TORON.—1969
	J 21777-22	Pinion Setting Gauge Disc	TORON.—1966-75		J 22247	C.V. Joint End Plate & Dust Boot Retainer Installer	TORON.—1966-67
	J 22193	C.V. Joint Protector Support Blocks	TORON.—1966-67		J 22296	Differential Adapter Plate (with Screws) (Used with J 3289-01)	TORON.—1966-75
	J 22196-01	Axle Housing Spreader	TORON.—1968-75		J 22314	Front Pinion Outer Race Installing Guide (Used with J 8092 & J 8458 Installer)	TORON.—1966-75
	J 22198	Axle Housing Seal Installer (Right) (Used with J 8092)	TORON.—1966-75 ELDOR.—1967-75		J 22587	Pinion Bearing Preload Gauge Set	TORON.—1966-75
	J 22199	Axle Housing Seal Installer (Left) (Used with J 8092-01 Handle)	TORON.—1966-75 ELDOR.—1967-75		J 22595	Ring Gear Installing Studs	TORON.—1966-75
	J 22201	Front Pinion Outer Race Remover (Used with J2619-01 Slide Hammer)	TORON.—1966-75		J 22608	Side Bearing Shim Remover	TORON.—1966-75
	J 22208	Pinion Assembly Remover & Torque Wrench Adapter	TORON.—1966-75		J 22609	Output Shaft Bearing & Sling Installer	TORON.—1966-67 ELDOR.—1967
	J 22209	Rear Pinion Bearing Installer (Used with J 6407)	TORON.—1966-75		J 22716	Clamp Tightening Wrench (Band-it Type Clamp)	TORON.—1966-75 ELDOR.—1966-75
	J 22210	Planet Gear Loading Tool	TORON.—1966-67		J 22756	Differential Side Bearing Remover with Pilot (Used with J 8433)	TORON.—1966-75
	J 22212	Pinion Seal Installer	TORON.—1966-75 ELDOR.—1967-75		J 22760	Right Hand Output Shaft Seal Installer (Used with J 8092)	TORON.—1968-75 ELDOR.—1968-75
	J 22227	Front Pinion Bearing Remover (Used with J 8433)	TORON.—1966-67		J 22811	Differential Side Bearing Installer (Left side) (Used with J 8092)	TORON.—1968-75
	J 22229	Differential Side Bearing Remover (Left)	TORON.—1966-75		J 22812	Differential Side Bearing Installer (Right Side) (Used with J 8092)	TORON.—1968-75
	J 22230	Differential Side Bearing Installer (Left) (Used with J 8092)	TORON.—1966-75		J 22822	Carrier Holder	TORON.—1968-75




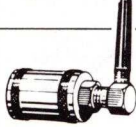

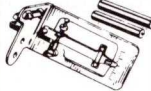

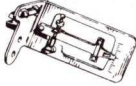

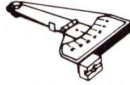
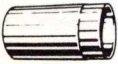

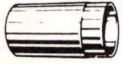


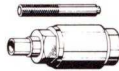


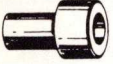


For complete tool listing and price information, refer to the Numerical Price List.



**Final Drive Differential Tools** (Continued)







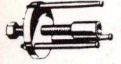




	J 22828	Output Shaft Bearing & Slinger Installer	ELDOR.—1968-75 TORON.—1968-75		J 23997	Front Spindle Hub Bearing Assembly Remover	ELDOR.—1967-75 TORON.—1966-75
	J 23692	Spindle Remover Adapter (Use with J 2619-01)	ELDOR.—1971-75 TORON.—1971-75				

**Propeller Shaft**





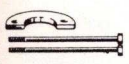


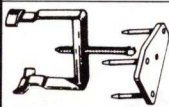


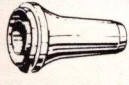
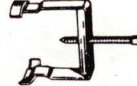

	J 8853	Bearing Cap Remover Adapter (Used with J 9522)	BU.—1961-68: 43, 44, 45, 46, 48, 49 1969: 43, 44, 45, 46, 48 1969-70: 49 1971-75: All		J 22271	Propeller Shaft Center Ball Seal Installer	BU.—1967-70: 45-46 48-49
	J 9522	Propeller Shaft Service Tool Set	BU.—All Series thru 1975		J 22513	C.V. Lube (U-Joint) Adapter	BU.—1966-70: Series 45-46-48
	J 9522-3	Spider Press Adapter for C.V. Joint (Part of J 9522)	ALL GM—1963-75		J 22910-01	Power Train Inclinator	PONT.—1968-75
	J 9522-5	C.V. Joint Spacer (Part of J 9522)	ALL GM—1963-75		J 22910-1	Power Train Inclinator	UNIVERSAL
	J 21009	Propeller Shaft Center Bearing Lock Nut Wrench	BU.—1961-70: 43-44-46-48-49 1961-64: 40-41-47 1965: 45-49 CAD.—1958-68 PONT.—1958-63		J 23498	Universal Joint Inclinator	UNIVERSAL
	J 21548	"U" Joint Trunnion Seal Installer	CHEV.—1964-65		J 23694	C.V. Propeller Shaft Seal Installer	ALL GM—71-75
	J 21556	"U" Joint Trunnion Seal Installer	CHEV.—1964-65		J 23906	Comp. Flange Run-Out Gauge (Single Cardan)	ALL GM—71-75
	J 21696	Torque Tube Bearing & Deflector Installer	OPEL—thru 1971 Small Axle		J 23996	C.V. Joint Replacable Ball Remover & Installer	BU.—1973-75 PONT.—1973-75 OLDS.—1973-75 CAD.—1973-75
	J 21925	Propeller Shaft Coupling Remover	AMC—1965-66: 10-50-80 (232)		J 24649	Drive Pinion & Yoke & Run-out Gauge	AMC, CHEV., & DANA Propshaft
	J 21980	Propeller Shaft Coupling Installer	AMC—1965-66: 10-80 (232)		J 24798	Comp. Flange Run-out Gauge (Dble. Cardan C.V.)	ALL GM—1971-75
					J 24812	C.V. Propeller Shaft Lub Gun	CHEV.—74-75 BUICK—74-75 OLDS.—74-75 PONT.—74-75



# Steering


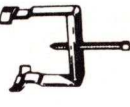


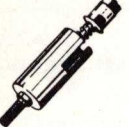






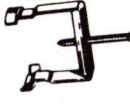



	J 544	Steering Gear Tension Scale (0-4#)	CAD.—All		J 8129	Steering Wheel Tension Scale 0-15#	AMC—1963-75: 10-80 1964-75: 01
	J 1859-03	Steering Wheel Puller	CAD.—All PONT.—All		J 21232-01	Steering Wheel Puller	AMC—1963-75: 10-80 1964-75:01
	J 2927-01	Steering Wheel Puller	CHEV.—1964-73		J 21686-01	Steering Wheel Puller	OPEL KADETT— —thru 1975
	J 3274	Steering Wheel Puller	BU.—All		J 24224	Signal Switch Bearing Installer	OPEL 1900—1972-75
	J 5178	Steering Wheel Tension Scale 0-15#	AMC—All: 01 1957-62: 10-80		J 24292	Luv Steering Wheel Puller	CHEV. LUV
	J 5290	Steering Wheel Puller	AMC—All: 01 1957-62: 10-80				

# Conventional Steering Column





	J 21180	Turn Signal Cover Remover & Shift Tube Remover (Tilt)	AMER. MTRS.—1964-66: 10-50-80 BU.—1963-64:47 1963-65: 44-46-48 1965-66: 49 CAD.—1963-64 OLDS.—1963-66 PONT.—1963-66 FORD—1965-67		J 21854-01	Pivot Pin Remover (Tilt & Tel.) (See next page)	AMER. MTRS.—1964-66 CHEV.—1966 BU.—1964-66 CAD.—1965-66 OLDS.—1964-66 PONT.—1964-66 FORD—1965-67
	J 21181-01	Spring Installer (Tilt)	AMER. MTRS.—1964-66:10-80 BU.—1963-64:47 1963-65:44-46-48 1965-66: 49 CAD.—1963-64 OLDS.—1963-66 PONT.—1963-66 FORD—1965-67		J 22192	Upper Cover Remover & Installer (Tilt & Tel.)	OLDS.—1966
	J 21347	Turn Signal & Shifter Tube Remover (Tilt)	CHEV.—1963-65		J 22207	Shift Tube Remover (Tilt & Tel.)	OLDS.—1966
	J 21352	Wheel Cover Installer (Tilt)	CAD.—1963-64		J 22598-01	Upper Cover Remover (Use with J 6125) (See next page)	CAD.—1965-66 OLDS.—1965-66
	J 21853-01	Upper Cover Installer (Tilt & Tilt & Tel.) (See E.A.C.)	AMER. MTRS.—1964-66 BU.—1964-66 CAD.—1965-66 CHEV.—1964-66 FORD—1965-67 OLDS.—1964-66 PONT.—1964-66		J 22653-02	Spring Compressor (Tilt & Tel.)	CAD.—1965-69 OLDS.—1966-69 CHEV.—1966
	J 21853-01	Upper Cover Installer (Tilt & Tilt & Tel.) (See E.A.C.)	AMER. MTRS.—1964-66 BU.—1964-66 CAD.—1965-66 CHEV.—1964-66 FORD—1965-67 OLDS.—1964-66 PONT.—1964-66		J 22708	Directional Signal Cover Remover (Tilt & Tilt & Tel.) (See next page)	AMER. MTRS.—1964-66:10-50-80 CHEV.—1963-66 FORD—1965-67
	J 23074	Steering Column Holding Fixture	AMC—1964-66 CAD.—1964-66 BUICK—1964-66 OLDS.—1965-66 PONT.—1964-66				



***Energy Absorbing Steering Column***





	J 21853-01	Upper Cover Installer (Tilt & Tilt & Tel.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68		J 22598-01	Upper Cover Remover (Use with J 6125) (Tilt & Tilt & Tel.)	CAD.—1967-68 OLDS.—1967-68 PONT.—1967-68 BU.—1967-68
	J 21854-01	Pivot Pin Remover (Tilt & Tilt & Tel.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-78		J 22599	Lock Nut Socket (Tilt)	AMER. MTRS.—1967-69 BU.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68
	J 22549	Shift Tube Installer (Tilt & Tilt & Tel.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68 CHRY.—1967		J 22635	Lock Shoe & Release Lever Pin Remover & Replacer (Tilt & Tilt & Tel.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68
	J 22551	Shift Tube Remover (Tilt & Tilt & Tel.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68 CHRY.—1967		J 22686	Upper Bearing Spacer (Tilt & Tilt & Tel.)	BU.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68
	J 22568	Lower Shift Levers Lash Adjuster (Std.)	AMER. MTRS.—1967-69 BU.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68		J 22701	Neutralizer Switch Gauge Set	PONT.—1967-69
	J 22569	Snap Ring Remover & Installer (Std.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68		J 22708	Upper Cover Remover (Tilt)	AMER. MTRS.—1967-69 CHEV.—1967-68
	J 22572	Shaft Bowl Bearing Installer (Std.)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68		J 23056	Neutralizer Switch Gauge Set	TEMP.—1968 FIREBIRD—1968
	J 22573	Steering Column Holding Fixture (All)	AMER. MTRS.—1967-69 BU.—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68				

***Function Locking Energy Absorbing Steering Column***















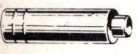

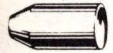



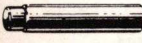



	J 21854-01	Pivot Pin Remover (Tilt & Tilt & Tel.)	ALL GM—1969-75 AMC—1970-73		J 23072	Shift Tube Remover (Tilt & Tilt & Tel.)	ALL GM—1969-75 AMC—1970-75
	J 22635	Lock Shoe and Release Lever Pin Remover and Replacer (Tilt & Tilt & Tel.)	ALL GM—1969-75		J 23073-01	Shift Tube Installer (Tilt & Tilt & Tel.)	ALL GM—1969-75 AMC—1970-75



**Function Locking Energy Absorbing Steering Column** (Continued)

	J 23074	Steering Column Holding Fixture (All)	ALL GM—1969-75 AMC—1970-75		J 23653	Lock Plate Compressor (All)	ALL GM—1969-75 AMC—1970-75
	J 23193	Lock Nut Socket (Tilt Column)	ALL GM—1969-70 AMC—1970-71		J 23980	Steering Column Electrical Component Analyzer	GM & AMC 1970-75

**Manual & Power Steering Gear**

	J 5188	Adjuster Plug Seal Installer	ALL—with Saginaw Power Steering Gear		J 7576	Rack Piston Installer	ALL—with Saginaw Power Steering Gear
	J 5754	Steering Gear Mainshaft Bearing Cup Remover	BU.—1960 PONT.—1955-67 AMC—1958-67: 10-50-80 1968-75 All		J 7624	Bearing Pre-Load Spanner Wrench	ALL—with Saginaw Power Steering Gear
	J 5755	Saginaw Manual Gear Wormshaft Bearing Cup Installer	AMC—1958-63 BU.—1960-75 PONT.—thru 1975 CHEV.—1955-75		J 8524	Adjuster Plug (Used with J 7079-2 Handle)	CHEV.—1960-75 PONT.—1967-75
	J 5787	Pitman Shaft Packing Retainer Protector	AMC—1958-68: 10-80 1970-75 All BU.—1955-60 CHEV.—1955-61 Standard Steering PONT.—thru 1963		J 8810	Pitman Shaft Installer Bushing (Use with J 8092)	CHEV.— BU.— OLDS.—1961-75 PONT.—Saginaw Manual Gear
	J 5822	Steering Gear Shaft Main Bearing Cup Remover (Use with 2619-01)	Saginaw Manual Gear BU.— CHEV.—1955-75		J 8947	Rack Piston Installer	ALL—with Saginaw Power Steering Gear
	J 6217	Valve Connector Seat Installer	ALL Saginaw Power Steering Gears		J 9225	Pitman Shaft Seal Installer	CHEV.—1961
	J 6219	Steering Gear Pitman Shaft Oil Seal Installer	ALL GM—1968-75		J 9226	Pitman Shaft Bushing Remover & Installer	CHEVY II—1962-63
	J 6221	Adjuster Plug Bearing Remover & Inst.	ALL—with Saginaw Power Steering Gear		J 9540	Pitman Shaft Seal Installer	BU.—thru 1961-75 CAD.—1963-75
	J 6222	Adjuster Plug Seal Protector	ALL—with Saginaw Power Steering Gear		J 21551	Pitman Shaft Bearing Remover & Installer (Use with J 8092)	AMC—1964-75 All
	J 6278	Pitman Shaft Bearing Remover & Installer	ALL—with Saginaw Power Steering Gear		J 21552	Rack Piston Arbor	ALL—with Saginaw Power Steering Gear
	J 6657	Pitman Shaft Needle Bearing Remover & Installer	BU.—1961-75 CAD.—1963-75		J 21553	Pitman Shaft Seal Installer	AMC—1964-75 All
	J 7170	Steering Shaft Bearing Cup Installer	AMC—1968-75 All, 1958-67, 10-50-80		J 21554	Adjuster Plug Seal Installer	AMC—1964-75 All FORD—1965-67 with/Saginaw Gear






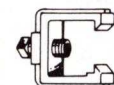

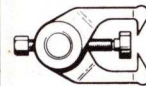
For complete tool listing and price information, refer to the Numerical Price List.












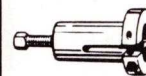




**Manual & Power Steering Gear** (Continued)

	J 21712	Steering Gear Pinion Mounting Sleeve	OPEL KADETT—thru 1975		J 22407	Pitman Shaft Bearing Installer (Variable ratio) use with J 8092	ALL GM—1969-75
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**Steering Linkage**





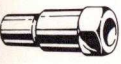
	J 3295	Steering Arm Ball Stud Remover	AMC—1959-69: 10-50-80 1970-75 All BU.—1963: 44-47-48		J 9280	Steering Linkage Grease Gun	CAD.—1961-75
	J 5504-01	Pitman Arm Puller	ALL GM—thru 1975		J 9280-5	Suspension Joint Grease Gun Tip (Use with J 9280)	CAD.—1961-75
	J 6632	Pitman Arm Puller	CHEV.—1955-75 CAD. EL DORADO—1968-75		J 21687-02	Relay Rod and Ball Stud Remover	OPEL KADETT thru 1975 CHEVROLET LUV
	J 9172	Pitman Arm Puller	AMC—1964-75 CAD.—1965-75 PONT.—1958-73		J 24319-01	Universal Steering Linkage Puller	BU.—Thru 1975 CAD.—Thru 1975 OLDS.—Thru 1975

**Power Steering**



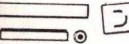



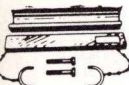


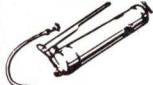

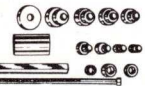









	J 972	Spanner Wrench	CHEV.—1959-68		J 8842	Pump Shaft Oil Seal Remover	AMC Thompson Pump V-8 Eaton Pump thru 1973
	J 5176-02	Power Steering Checking Gauge (2000 lbs.) (Part of J 22326)	GM—Thru 1975		J 21001	Power Steering Pump Oil Seal Installer	CAD.—1963-66
	J 7715	Pressure Gauge (2000 lbs.) (Part of J 5176-01)	ALL GM—thru 1975		J 21239	Stamped Pump Pulley Remover	CHEV.—1967-75
	J 7728	Pump Shaft Oil Seal Installer	BU.—1961-75 CAD.—1959-75		J 21567	Pressure Gauge & Hose Assembly	AMC—1964-75 All
	J 8433	Cast Pulley Remover	CHEV.—1967-75		J 21883	Steering Pump Pulley Puller	CAD.—thru 1974
	J 8642	Pump Shaft Seal Protector	AMC—1960-75 ALL V-8		J 22326	Power Steering Checking Gauge Adapter (Part of J 5176-02)	CHEV. PONT. OLDS.—1965-75 CAD. BUICK
	J 8841	Pump Shaft Oil Seal Installer	AMC—1960-67 (6 cylinder) W Thompson Pump		J 22616	Power Steering Pump Shaft Seal Protector	ALL GM—1967-75



**Power Steering** (Continued)

	J 22670	Power Steering Pump Shaft Seal Installer	CHEV.—1964-75		J 25033	Power Steering Pump Pulley Installer (pressed-on)	ALL Saginaw Steering Pumps 1975
	J 23452	Power Steering Pump Seal Installer	AMC—1965-73 Eaton Pump		J 25034	Power Steering Pump Pulley Remover (pressed-on)	ALL Saginaw Steering Pumps 1975
	J 24752	Power Steering Pump Pulley Installer	ALL GM—thru 1974				

**Control Arms (Front & Rear) and Ball Joints**



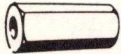

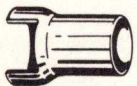










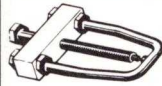







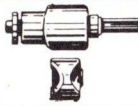






	J 5680-01	Crow Foot Adapter (1 3/8", 1/2" sq. drive)	CAD.—1968-69		J 9519-02	Ball Joint Remover & Installer	ALL GM—1963-75
	J 5888	Front Suspension Bushing Installer Set	CHEV.—1964-75		J 9584	Control Arm Bushing Remover & Installer Set (Use with J 21894)	PONT.—1965-73
	J 6627	Steering Knuckle Spherical Joint Remover	PONT.—thru 1975		J 9656	Ball Joint Stud Remover (5/16-18 Thd.)	AMC—1964-75
	J 7052	Upper & Lower Control Arm Bushing Remover & Installer	CHEV.—1958-75		J 9669-01	Special Upper Trunnion Lubricant Gun (Red)	AMC—1962-64: 10-80 1965-69: 10-50-80
	J 7167-01	Upper Control Arm Spreader	PONT.—1958-75		J 9670-01	Special Chassis Lubricant Gun (Blue)	AMC—1962-63: 10-80 1964-75 All
	J 8999-05	Front Suspension Service Set	CAD.—1961-75		J 21058	Lower Control Arm Bushing Tool Set	AMC—1970-75 CHEV.—1964-75
	J 9231-01	Caster Camber Adjusting Wrench (1 3/8", 1/2" sq. drive)	CAD.—1961-67		J 21240-01	Lower Ball Joint End Play Checking Gauge (Upper Ball Joint for American Motors)	BU.—1961-73 AMC—1970-75 CAD.—1971-73 PONT.—1971-73
	J 9447	Front Suspension Ratchet Wrench	AMC—1962-67: 10-50-80 1968-69 All		J 21474-01	Control Arm Bushing Service Set	CHEV.—1964-75 OLDS.—1964-75 PONT.—1964-75
	J 9502-01	Front Upper Control Bushing Remover & Installer Set (Includes J 9502-3)	GRAND PRIX—1969-73 VENTURA—1971-73 TEMP.—1962-73		*J 21474-1	Rear Upper & Lower Control Arm Spacer	CHEV.—1964-75 PONT.—1964-75
	J 9502-3	"C" Washer Upper Control Arm Bushing (Part of J 9502-01)	OLDS.—1965-75 CHEV.—1964-75 PONT.—thru 1975		*J 21474-2	Rear Upper & Lower Control Arm Bushing Remover & Installer	PONT.—1964-70 CHEV.—1964-70 TEMP.—1964-70 FIREBIRD—1967-69
	J 9514	Lower Control Arm Spacer	CHEV.—1962-75				

\*Part of J 21474-01 Set.

For complete tool listing and price information, refer to the Numerical Price List.




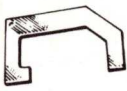


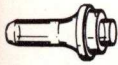





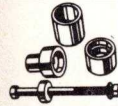



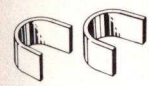








***Control Arms (Front & Rear) and Ball Joints*** (Continued)

	*J 21474-3	Screw Assembly	CAD.—1967-75 OLDS.—1964-75 PONT.—1964-75		J 21878	Lower Control Arm Spacer (Use with J 9519-02 & J 21058)	CORVAIR—1965-68 CHEV.—1965-70
	*J 21474-4	Nut	OLDS.—1964-75 PONT.—1964-75		J 21894	Lower Control Arm Oblong Bushing Installer (See J 9584)	OLDS.—1970-73 PONT.—1964-73 CHEV.—1971-73
	*J 21474-5	Receiver	CAD.—1964-75 CHEV.—1964-75 OLDS.—1964-71 PONT.—1964-75		J 22175	Lower Control Arm Bushing Receiver	CHEV.—1965-73
	*J 21474-6	Remover & Installer Carrier Bushing	CHEV.—1967-75 OLDS.—1964-75 PONT.—1964-75		J 22222	Control Arm Bush- ing Remover & Installer Set (Use with J 21474-3-5)	ELDORADO —1967-75 TORONADO —1966-75
	*J 21474-8	Lower Control Arm Front & Rear Bushing Remover	CHEV.—1966-75 OLDS.—1964-75 PONT.—1964-75		J 22234	Front Knuckle Seal Installer	ELDORADO— 1967-68 TORONADO— 1966-67
	*J 21474-12	Space-Lower Control	CHEV.—1975 OLDS.—1964-75 PONT.—1975		J 22269-01	Front Upper Control Arm Bush- ing Remover & Installer	BUICK, CHEV., PONT. & OLDS—1970-75
	*J 21474-13	Installer Lower Control Arm Bush- ing Rear Front	CHEV.—1975 OLDS.—1964-75 PONT.—1975		J 22323	Lower Control Arm Bushing Set	OLDS.—1966-69 CHEV.—1967-73
	*J 21474-15	Adapter-Rear Control Arm bush- ing Receiver	PONT.—1965-75 CHEV.—1964-75		J 22517-02	Torsion Bar Unloader	ELDORADO —1967-75 TORONADO —1966-75
	J 21474-16	Rear Control Arm Bushing Receiver	OLDS.—1955-75 PONT.—1965-75 CHEV.—1965-75		J 22545	Rear Control Arm Bushing Installer Receiver	OLDS.—1966-70
	J 21474-17	Rear Control Arm Bushing Receiver	PONT.—1965-67		J 22610	Spherical Joint Band Installer	CAD.—1971-75
	J 21482	Front Upper Control Arm Spacer	CHEV.—1964-75 PONT.—1967-75		J 22618	Upper Control Arm Torque Wrench Adapt. 1/2" Drive (3/4" double hex socket)	BU.—1967-75 PONT.—1967-75
	J 21690	Lower Control Arm Ball Joint Remover & Installer Sleeve (Use with J 9519- -02)	OPEL KADETT— thru 1975		J 22668	Rear Axle Bushing Service Set	AMC—1967-75 10-50-80
	J 21830	Rear Suspension Control Arm Bushing Set	CHEV.—1965-75		J 22717	Lower Control Arm Bushing Stake Remover	CHEV.—1967-75
	J 21844	Torque Arm Bushing Installer	CORVAIR—1965-69		J 22780	Ball Joint Remover & Installer	F.B. 1967-70
	J 21859	Drive Spindle Flange Remover	CORVAIR—1965-69		J 22818	Control Arm Bush- ing Receiver (Use with J 21474-01)	OLDS.—"C" Axle





\*Part of J 21474-01 Set.



**Control Arms (Front & Rear) and Ball Joints** (Continued)

	J 22899	Front Upper Control Arm Bushing Receiver	PONT.—1968-73		J 23745	Ball Joint Checking Gauge	OPEL 1900—1971-75
	J 23114	Front Knuckle Outer Seal Installer	ELDORADO—1969-75		J 23754	Lower Ball Joint Receiver	OPEL 1900—1971-75
	J 23115	Front Knuckle Inner Seal Installer	ELDORADO—1969-75		J 23755	Lower Ball Joint Installer	OPEL 1900—1971-75
	J 23402	Lower Ball Joint Checking Gauge	OPEL—thru 1975		J 23915	Bushing Flaring Die	ALL GM—1971-75 except Cadillac
	J 23415	Camber Adjusting Wrench (1 1/8")	CAD.—1970-75		J 24258	Upper Control Arm Spacer	CHEV.—1965-70
	J 23473	Upper Control Arm Bushing Remover & Installer	AMC—1970-75		J 24386	Lower Control Arm Bushing Remover & Installer	CHEV. "B" CAR—1965-70
	J 23514	Front Upper Control Arm Bushing Remover & Installer (Use with J 22269-01)	CHEV.—1970-75		J 24515	Tie Strut Adjusting Wrench	CAD. "C"—1973
	J 23555	Rear Control Arm Spacer Set	ASTRE—1975 VEGA—1971-75 6 1/2" 74-75 axle		J 24770	Control Arm Bushing R & R (Use with J 22269-01)	ALL GM—1974-75 "A", "B", & "F"
	J 23697	Upper Control Arm Hooks	OPEL 1900—1971-75		J 24842-01	Front Suspension Hooks	CAD.—1974-75
	J 23705	Upper Rear Control Arm Spacer	ELDORADO—1971-75 TORONADO—1971-75		J 25056	Upper Control Arm Torque Wrench Adapter 1 5/16 Double Hex	All GM except Cad.
	J 23737	Rear Control Arm Spacer	ALL GM—except CAD.—1971-75		J 25317	Rear Control Arm Bushing Remover & Replacer (Use with J 21465-17)	1975 Monza, Starfire & Sky Hawk
	J 23742	Ball Joint Remover	ALL GM—1971-75				









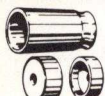



**Spring & Air Suspension**

	J 6840-01	Air Suspension Pressure Gauge (0-400 lbs.)	CAD.—All AMC—All		J 7592-01	Front Coil Spring Compressor	PONT.—1958-67
	J 6888	Valve Core Remover & Replacer	CAD.—All with air ride OLDS.—All with air ride PONT.—All with air ride		J 7842-03	Front Coil Spring Compressor (Pair)	AMC—1958-69; 01-30-70


For complete tool listing and price information, refer to the Numerical Price List.



## Spring & Air Suspension (Continued)

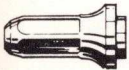

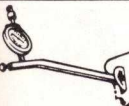
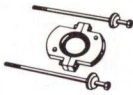


	J 9552	Front Coil Spring Compressor	BU.—1961-70		J 22695	Automatic Level Control Pressure Gauge Assembly (Part of 22124)	PONT.—1967-70
	J 21689-01	Front Leaf Spring Compressor	OPEL KADETT— thru 1970		J 23028-01	Front Coil Spring Remover & Installer	CHEV.—1968-75 PONT.—1968-75
	J 21999	Automatic Lever Control Valve Assembly Set (Part of 22124)	CAD.—1965-75 CHEV.—1965-75 OLDS.—1966-75 BU.—1966-75		J 23123-01	Front Coil Spring Remover & Installer	AMC—1958-69 10-50-80
	J 22124	Automatic Lever Control Pressure Gauge Assembly (See J 21999) (0-300 lbs.)	CAD.—1965-75 CHEV.—1965-75 BU.—1966-75 OLDS.—1966-75		J 23474	Front Coil Spring Compressor	AMC—1970-75 All
	J 22553	Rear Spring Bushing Remover & Installer	PONT.—1967-75 CHEV.—1967-75		J 24084	Front Coil Spring Repositioner	PONT.—1971-75 BU.—1971-75
	J 22654	Front Coil Spring Compressor	PONT.—1964-67		J 24865	Bumper Height Lowering Spring Retaining Tool	CAD.—1974-75

## Tires & Wheels

	J 1644-02	Rear Wheel Hub Puller	AMER. MTRS.—All		J 8457	Front Hub Outer Bearing Cup Installer (Use with J 8092)	CAD.—All
	J 3940	Rear Cup Remover	Universal		J 8458	Front Hub Inner Bearing Cup Installer (Use with J 8092)	CAD.—All
	J 5504-01	Wheel Stud Remover	ALL CARS		J 8849	Front Wheel Outer Bearing Cup Installer (Use with J 8092)	CHEV.—1961-63 CORVAIR—1961-63 TEMP.—1961-70 CAD.—1967-69
	J 8148	Bearing Cup Insertor (Use with J 8092)	CHEV.—1946-58 CORVAIR—1960-63		J 21010	Rear Wheel Bearing Oil Seal Remover	CAD.—1963-69
	J 8349	Front Hub Inner Race Installer (Use with J 7079-2)	CHEVY II—1962-63 CORVAIR—1960-63		J 21011	Rear Wheel Bearing Oil Seal Installer	CAD.—1962-69
	J 8351	Front Hub Outer Race Installer (Use with J 7079-2)	CHEVY II—1962-63 CORVAIR—1960-63		J 22214-02	Front Hub Wheel Bearing Remover	ELDORADO—1967-75 TORONADO—1966-68
	J 8456	Front Hub Grease Retainer Installer (Use with J 8092)	CAD.—All		J 22214-10	Front Hub Wheel Bearing Remover Plug Set (Used with J 22214-02)	CAD.—1971-75



**Tires & Wheels** (Continued)

	J 22823	Front Wheel Grease Retainer Installer	AMC—1965-75		J 24488	Rear Wheel Bearing Greaser	CORVETTE—1963-75
	J 23054	Radial Run Out Gauge	UNIVERSAL		J 24489	Rear Wheel Bearing Remover (Use with J 8433)	CORVETTE—1963-75
	J 23672	Radial Run Out Dial Indicator Adapter (Use with J 8001)	UNIVERSAL		J 24490	Rear Wheel Spindle Installer	CORVETTE—1963-75

**J 22243 Mile-O-Meter**

*Gas-per-mile gauge . . . the easy, safe, accurate way to prove your point.*

In an effort to help your customer achieve optimum fuel economy, you've probably been promoting good driving habits and good vehicle condition for years. Now, with your customer's immediate concerns about the cost of operating his vehicle and his desire to conserve fuel, he's ready to listen. MILEOMETER will back you up all the way. Many hours of laboratory and field testing have made MILEOMETER the safest, most accurate gas-per-mile gauge on the market. It's the sales tool you need to answer today's fuel economy questions—easily and quickly.

**SIMPLE TO USE**
**Idle test**

To gauge idle consumption per minute, read the clicks on the digital counter and compare with time.

**Acceleration test**

Turn on counter when starting, turn off when desired speed is reached.

**Mile-per-gallon test (or fraction of gallon).**

Turn on counter when starting test and check odometer reading, turn off counter at desired consumption figure and read odometer.

**SAFE**

Only the compact, easy-to-read digital counter is located in the passenger compartment. Everything else is under the hood. MILEOMETER can be easily operated by one person even in heavy traffic.

**EASY TO HOOK UP**

It takes just five minutes to put MILEOMETER in action . . .





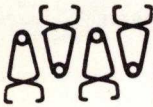


















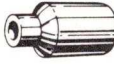



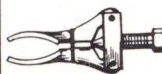



even on models where the fuel pump is located in the gas tank.

1. Hang box on a convenient location under the hood.
2. Disconnect fuel line between carburetor and fuel pump. Connect hoses to carburetor and fuel pump.
3. Connect wires to 12 volt battery.
4. Bring counter to driver's seat or dashboard. No vials to fill . . . no complicated calculations to make. MILEOMETER'S ready to count off every 1/1000 of a gallon.
5. Complete operating and installation instructions are supplied with the unit.










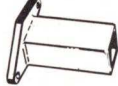


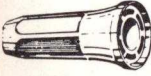


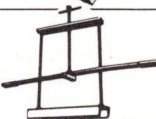



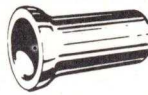
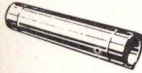
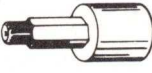



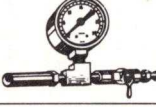


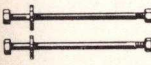
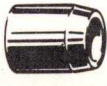


**Brake**

	J 628	Brake Bleeder Tube #10-32 Thd. Fitting	ALL CARS		J 21524	Power Brake Piston Remover & Installer Single Diaphragm	DELCO MORaine —1964-74
	J 7723-01	Power Brake Push Rod Height Gauge	DELCO MORaine BENDIX—1.195-1.200 Single Diaphragm		J 21601-01	Power Brake Retainer Installer—Single Diaphragm	DELCO MORaine 1964-68
	J 8002	Brake Cylinder Clamps—(Set of 4)	ALL CARS—except disc brakes		J 21700	Brake Backing Plate Aligning Arbor (2 req'd.)	OPEL KADETT— thru 1975
	J 8057	Brake Spring Pliers	ALL CARS		J 21701	Master Cylinder Piston Installer	OPEL KADETT— thru 1972
	J 8531-01	Power Brake Push Rod Height Gauge	DELCO MORaine— 1.834-1.832		J 21713	Brake Bleeder Adapter	OPEL KADETT— thru 1972
	J 9477-01	Brake Bleeder Adapter—Single Master Cylinders	DELCO MORaine— BENDIX—1962-63		J 21927	Brake Drum Spring Installer	BENDIX AMER. MTRS.
	J 9485	Brake Adjusting Tool	TEMP., FIREBIRD, PONT.—1961-68		J 21938	Power Brake Piston Retainer	DELCO MORaine CORVETTE—1965-67
	J 9504-01	Vacuum Power Cylinder Spanner Wrench (See J 22676)	AMC—1963-75 BENDIX—1962-75 DELCO MORaine— —1965-75		J 21939	Power Brake Front Piston Seal Installer	DELCO MORaine CORVETTE—1965-67
	J 9540	Rear Shell Seal Installer	BENDIX—1962-67		J 21940	Power Brake Piston Rear Seal Installer	DELCO MORaine CORVETTE—1965-67
	J 9571	Power Brake Push Rod Height Gauge	BENDIX—995-990		J 21994	Brake Bleeder Adapter—Single Master Cylinders	DELCO MORaine CORVETTE—1965-66
	J 21177	Drum to Brake Shoe Clearance Gauge (7" to 12" Drums)	ALL CARS		J 22364	Drum to Brake Shoe Clearance Gauge (7" to 15" Drums)	ALL CARS & TRUCKS
	J 21183	Power Brake Push Rod Height Gauge	DELCO MORaine— 1.218 1.223		J 22385	Stop Light Sending Unit Socket	AMC—1966-67
	J 21231	Brake Self Adjusting Lever Unlocking Tool	BU.—thru 1970		J 22429	Disc Brake Piston Retaining Tool	OPEL KADETT— thru 1975 disc brake
	J 21472	Brake Bleeder Wrench— $\frac{3}{16}$ " & $\frac{3}{8}$ " Hex	ALL CARS		J 22430	Disc Brake Expander	OPEL KADETT— thru 1971
					J 22591	Disc Brake Piston Ring Compressor— $2\frac{1}{16}$ "	DELCO MORaine— 1967-68


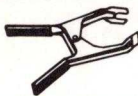
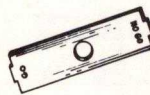



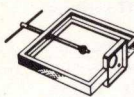


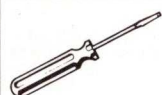


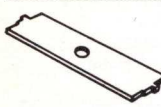





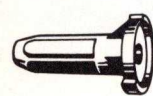








**Brake** (Continued)

	J 22592	Disc Brake Boot Seal Installer—2 1/16"	DELCO MORaine—1967-68		J 22677	Power Brake Shell Seal Installer	BENDIX—1967-69
	J 22626	Disc Brake Piston Ring Compressor—2 1/8"	BENDIX—1967-68		J 22733	Diaphragm Seal Protector (Bendix Dual)	ALL GM—Bendix Dual 1967-73
	J 22628	Disc Brake Boot Seal Installer—1 7/8"	DELCO MORaine—1967-68		J 22793	Disc Brake Metering Valve Actuator	PONT.—1967-69 TEMP.—1967-69 FIREBIRD—1967-69 BU.—1968-70 BENDIX & DELCO
	J 22629	Disc Brake Piston Ring Compressor—1 7/8"	DELCO MORaine—1967-68		J 22801	Disc Brake Pad Spacer	PONT.—1967-69
	J 22638	Disc Brake Boot Seal Installer—1 3/8"	DELCO MORaine CORVETTE—1967-68		J 22805-01	Power Brake Vacuum Booster Holder Duo Diaphragm	AMC—1968-75 PONT.—1968-75 CHEV.—1968-75 BU.—1968-75 OLDS.—1968-75
	J 22639	Disc Brake Piston Ring Compressor—1 3/8"	DELCO MORaine CORVETTE—1967-68		J 22835	Caliper Sleeve Seal Protector	CAD.—1968
	J 22642	Disc Brake Piston Dust Seal Installer—2 1/8"	BENDIX—1967-69		J 22839	Power Brake Diaphragm Plate Holding Fixture	ALL GM BENDIX DUAL—1967-75
	J 22644	Power Brake Push Rod Height Gauge	BENDIX—1967-68: 1.225-1.220		J 22884	Brake Booster Compressing Fixture	CAD.—1968-75
	J 22647	Power Brake Push Rod Height Gauge	DELCO MORaine—1975-1985, 1875-1885		J 22893-01	Brake Vacuum Booster Separating Adapter	CHEV.—1968-73 PONT.—1968-73 ALL
	J 22651	Power Brake Push Rod Height Gauge	MIDLAND ROSS—1967-68: 1.097-1.100		J 22904	Disc Brake Dust Boot Installer	CHEV.—1968-75 Single Piston disc brake PONT.—1968-75 CAD.—1969-75 BU.—1969-75 OLDS.—1969-75
	J 22657	Power Brake Bushing Retainer Socket	MIDLAND ROSS—1967-68		J 23017-01	Serrated Bit 10 mm	OPEL—disc brakes
	J 22658	Power Brake Valve Body Remover & Installer	MIDLAND ROSS—1967-68		J 23101-01	Diaphragm Plate Separator	DELCO—1969-75 dual diaphragm
	J 22664	Power Brake Piston Ring Compressor—2"	AMC—1965-75 BENDIX—1967-68		J 23108	Internal Vacuum Leak Tester 0-30 lbs.	CAD.—1966-75
	J 22674	Disc Brake Piston Retainer	DELCO MORaine—1967-68		J 23175	Control Valve Installer	DELCO—1969-75 dual diaphragm
	J 22676	Vacuum Power Cylinder Bolt Set (Use with J 9504-01)	OLDS.—1967		J 23188	Bearing Seal Protector	DELCO—1969-75 dual diaphragm



**Brake** (Continued)

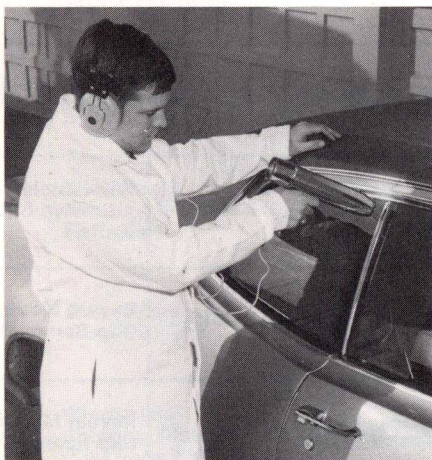
	J 23325	Reaction Piston Gauge	CAD., DELCO MORAINÉ—1969-75		J 23770	Disc Brake Combination Valve-Metering Valve Pin Depressor	BU.—1961-75 CAD.—1971-75
	J 23337	Reaction Piston Gauge	PONT.—1969-75 CHEV.—1975		J 23774-01	Disc Brake Combination Metering Pin Actuator	AMC—1971-75
	J 23439	Metering Valve Depressor	CAD.—1970 disc brakes only		J 24305	Brake Bleeder Adapter	OPEL—1971-75
	J 23456	Brake Booster Separating Fixture	ALL—Bendix & Delco dual diaphragm		J 24548	Disc Brake Piston Installer	CHEV.—1974-75
	J 23456-50	Brake Booster Separating Adapter (used with J 23456)	1974-75 Bendix dual diaphragm		J 24549	Spiral Ring Remover	CHEV.—1974-75
	J 23462	Park Brake Cable Adjusting Gauge	AMC—1970-75		J 24550	Spiral Ring Installer	CHEV.—1974-75
	J 23470	Reaction Piston Gauge	OLDS.—1970-73		J 24551	Piston Seal Protector	CHEV.—1974-75
	J 23518-01	Tandem Brake Bleeder Adapter	ALL GM—1967-75		J 24553	Input Rod Seal Protector	CHEV.—1974-75
	J 23518-8	Dual Chain Brake Bleeding Adapter	ALL GM—1967-75		J 24554	Hydro Boost Nut Socket	CHEV.—1974-75
	J 23572	Dust Boot Installer	GM—H Series		J 24569	Hydro Boost Rod Remover	CHEV.—1974-75
	J 23709	Combination Valve—Metering Valve Actuator	ALL—Delco, Kelsey-Hayes & Bendix Valves—1971-75		J 24657	Proportioning Valve Gauge	CAD.—thru-1975
	J 23730	Self Adjusting Drum Brake Releasing Tool	GM—H Series		J 24837	Front Disc Brake Piston Installer	BENDIX L-2
					J 25085	Hydro Boost #10 Socket Torx	CHEV.—1975

## MODEL IDENTIFICATION CHART

BODY TYPE	SALES NAME	BODY TYPE	SALES NAME	BODY TYPE	SALES NAME
A	Chevelle, LeMans, etc.	D	Fleetwood Seventy-Five	H	Vega, etc.
B	Impala, LeSabre, etc.	E	Toronado, Riviera, etc.	X	Nova, Ventura, etc.
C	Ninety Eight, Electra, etc.	F	Camero, Firebird	Z	Corvair



**J 23455-01  
Listener**



The Listener is an easy to use, electronic device that enables a technician to pinpoint air and water leaks. Basically it is an ultra-sensitive microphone and amplifier which detects sounds in the 35,000 to 45,000 cycles per second range. J 23583 Pressure Test Kit Adapter is available for pressurizing transmissions and engine blocks so that oil lubricating systems can be checked with this equipment.

**J 23724  
Cassette Test Tape**

All Cassette Stereo tape systems can now be analyzed with this test tape. The test tape will check the sound, speed, and crosstalk in the system.



**J 23505  
Stereo Test Tape**

All-American Motor 8 track tape systems can be tested for speed, sound, and crosstalk with this test tape.



**J 22683-01  
Stereo 8 Track  
Test Tape Cartridge**

This test tape has been developed to provide a check for proper tape speed, cross talk, and sound on all Stereo 8 track tape players.



**J 23520 Windshield Antenna Tester**

*(All Vehicles with Windshield Antennas)*



The recommended method of checking windshield antennas is with the J 23520 Tester. Move the tester along the antenna while the car radio is on an A.M. Band and the receiver is tuned to an open location. A buzzing will be heard from the car radio speaker if the antenna is working properly.

**J 21550 Front Door Hinge Wrench**

*All GM A Body 64-67 All GM F, X, Z and X Style Bolt-on, 69-72*

**J 22585-01 Door Hinge Bolt Wrench 9/16"**

*Chev. Truck 1968-75*

**J 22729 Front Door Hinge Bolt Wrench 9/16"**

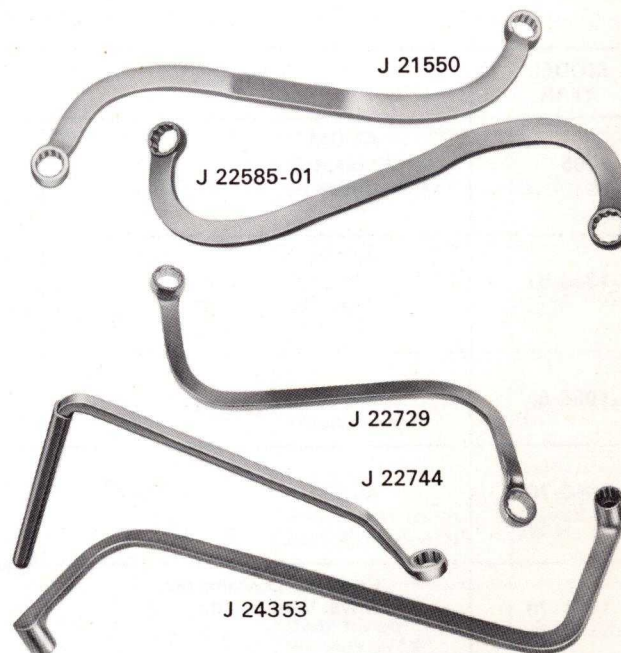
*All GM B, C, E Body 1967-70*

**J 22744 Door Hinge Wrench 9/16"**

*1967-68 Cadillac C Body*

**J 24353 Door Hinge Wrench**



*All GM A & G Styles 1968-72 A, B, C, E & F Styles 1971-1975*



These specially designed wrenches enable easy adjustment of door hinges.



## Glass and Weatherstrip Service Tools

	J 2767	Windshield Glass Seal Insert Installer	ALL—GM with mech. rubber windshield seals		J 21549-1	Handle	See Application Chart below
	J 3296	Body Cement Gun	ALL—GM		J 21549-3	Reveal Moulding Clip Remover	
	J 5742-01	Windshield Aligning Blocks (Set of 6)	ALL—GM to 1961 and Chev. truck ½ ton 1967-68		J 21549-4	Windshield Adhesive Cutting Knife	
	J 5757	Mechanical Weatherstrip Installer	ALL—GM		J 21549-5	Reveal Moulding Clip Remover	
	J 7898-01	Reveal Moulding Remover	ALL—GM to 1964		J 21549-6	Reveal Moulding Clip Remover	
	J 8942	Windshield Aligning Blocks (Set of 6)	ALL—GM thru 1965		J 21549-10	Reveal Moulding Clip Remover	
	J 21104	Weatherstrip Remover	ALL—GM		J 21549-11	Reveal Moulding Clip Remover	

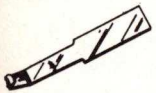





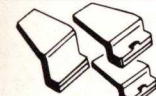






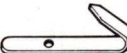


Refer to Model Identification Chart page 83

REVEAL MOLDINGS APPLICATION CHART



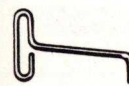









MODEL YEAR	SERIES	WINDSHIELD	BACK WINDOW	QUARTER WINDOW	SKY LIGHT WINDOW
1965	All GM except Chevy II	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1966-67	All GM except Chevy II	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1966-67	Chevy II	NONE	J 21549-1 J 21549-5 J 21549-6	NONE	NONE
1968-70	All GM	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1971-75	Chevelle, LeMans, etc. Nova, Ventura, etc.	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1971-75	Impala, LeSabre, etc. Ninety Eight, Electra, etc. Fleetwood Seventy-Five Toronado, Riviera, etc. Camaro, Firebird	J 21549-1 J 21549-10 J 21549-11	J 21549-1 J 21549-10 J 21549-11	J 21549-1 J 21549-10 J 21549-11	NONE



**Glass and Weatherstrip Service Tools** (Continued)



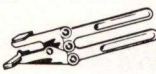

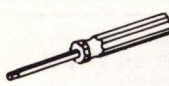


	J 21828	Reveal Moulding Clip Installer (Use with J 21549-1)	OPEL—All		J 24402	Butyl Glass Sealant Remover	ALL GM—1973 Bodies with stationary glass
	J 22055	Door & Quarter Window Roller Nut Socket	ALL GM—1965-75		J 24709-01	Urethane Glass Sealant Remover (Hot Knife)	ALL GM & AMC— 1974-75
	J 22577	Windshield Aligning Blocks (Set of 6)	ALL—Chev. Trucks (except ½ ton) 1967-68		J 24709-5	T Handle (Pulling)	ALL GM & AMC— 1974-75
	J 23394	Glass Alignment Gauge Blocks	1969-1970 ventless GM cars except convert- ibles, and 1972 A & F hardtops.		J 24709-6	Blade (Tapered Edge)	ALL GM & AMC— 1974-75
	J 23520	Windshield Antenna Tester (See page 73)	All vehicles with windshield antennas		J 24792	Window Alignment Blocks (Use with J 24350-1)	1973-75 "A" Series
	J 23711	Glass Alignment Gauge Blocks (Set of 3)	ALL—B, C, & E hardtop body styles 1971-72		J 24811	Stationary Glass Sealant Dispensing Gun (Urethane)	ALL GM & AMC— 1974-75
	J 23711-5	Glass Alignment Gauge Blocks	1971-72 (68169) Cadillac C body styles		J 24851	Urethane Cutting Blade (Plow Type)	ALL GM & AMC— 1974-75
	J 24350	Glass Alignment Gauge Blocks	ALL GM—1972 A Bodies		J 24852	Urethane Cutting Blade (Model 16— AMC)	ALL GM & AMC— 1974-75

**Door Service Tools**

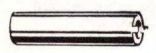








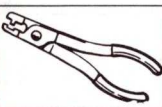





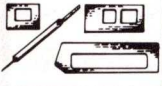
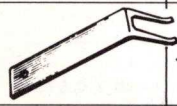


	J 2631-01	Trim Pad Depressor	ALL—GM		J 22213	Remote Mirror Escutcheon Nut Wrench	ALL—GM 1963-75
	J 6335	Trim Pad Remover	ALL—GM		J 22413	Door Hinge Screw Driver Bit— #4 Posi-drive	AMC—1966-68 PONT. FIREBIRD— 1967
	J 8749	Door Hinge Socket & Ratchet	CORVAIR—1960-63		J 22585-01	Door Hinge Bolt Wrench—9/16"	CHEV. TRUCK— 1968-75
	J 9886	Door Handle Clip & Trim Pad Remover	ALL—GM		J 22729	Front Door Hinge Bolt Wrench—9/16"	ALL—GM B, C, E body 1967-70
	J 21550	Front Door Hinge Wrench	ALL—GM A body 64-67 ALL—GM F, X, and X style bolt-on, 69-72		J 22744	Door Hinge Wrench 9/16"	1967-68 Cadillac C body
	J 21688	Door Hinge Pin Remover	OPEL KADETT— 1963-75		J 22993	Mirror Spanner Wrench	CAD.—1967-69



**Door Service Tools** (Continued)

	J 23457	Door Lock Striker Wrench (seat belt retaining bolt wrench)	ALL—GM 1971-75		J 23659	Door Lock Striker Wrench	1971-75 Opel
	J 23497	Door Hinge Spring Compressor	ALL—GM X Styles 1971-75		J 24353	Door Hinge Wrench 1/2"	GEN. MTRS.—A & G Styles 1968-75 C, E, & F styles 1971-75
	J 23554	Arm Rest Nut Wrench	ALL—GM 1971-72		J 24595	Door Trim Pad & Garnish Molding Clip Remover	ALL GM—1973-75
	J 23568	Door Hinge Pin Remover	ALL GM—H Series				

**Instrument Panel & Windshield Wiper Tools**

	J 6968	Radio Control Knob Nut Wrench	ALL X Car; 1969-75		J 22683-01	Stereo 8 Track Test Tape Cartridge (See page 73)	ALL STEREO—8 Track Tape Systems
	J 7607-01	Ignition Switch Nut Wrench	(GMC Truck 67-68, Chev. 55-56 Pont. 1964-68)		J 22901-01	Glove Box Nut Wrench	PONT.—1968
	J 7778-01	Fog-Lamp Switch Nut Wrench (trunk lock release switch wrench)	ALL CADILLAC—1959 thru 1962		J 23018	Windshield Wiper Switch Bezel Socket	CHEV.—1968
	J 8653	Instrument Panel Nut Wrench	PONTIAC—1954-68		J 23118	Instrument Panel Accessory Switch Punch	PONT.—1969-70
	J 8966	Windshield Wiper Arm Remover & Installer	A, F, H, & X style bodies 1971-75		J 23373	Key Identification Plug Remover	ALL AMC & GM—keys
	J 21109	Ignition Switch Nut Wrench	CADILLAC—1963-66		J 23505	Stereo Test Tape (See page 73)	ALL AMC—8 track tape systems
	J 21724	Light Switch Nut Wrench	ALL OPEL		J 23724	Cassette Test Tape (See page 73)	ALL—Cassette Stereo tape systems
	J 21932	Adjustable Bezel and Ferrule Nut Wrench	Fit practically all bezels and ferrules.		J 24593	Instrument Panel Accessory Switch Template Set	PONT.—1973-75
	J 22128	Windshield Wiper Arm Remover & Installer	A, F, & X body style 1961-72 wipers		J 24612	Instrument Panel Louvre Remover	CAD.—1974-75
	J 22547	Ignition Switch Nut Wrench	CAD.—1967				

**MODEL IDENTIFICATION CHART**





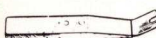




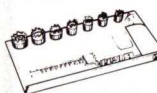

BODY TYPE	SALES NAME	BODY TYPE	SALES NAME	BODY TYPE	SALES NAME
A	Chevelle, LeMans, etc.	D	Fleetwood Seventy-Five	H	Vega, etc.
B	Impala, LeSabre, etc.	E	Toronado, Riviera, etc.	X	Nova, Ventura, etc.
C	Ninety Eight, Electra, etc.	F	Camero, Firebird	Z	Corvair





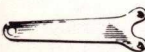



## Trunk Service Tools

	J 7778-01	Trunk Lock Release Switch Wrench (fog-lamp switch nut wrench)	1971-75 Cadillacs		J 23719	Rear Deck Lid Torsion Bar Adjuster	B styles 1971-75 GM
	J 21412-01	Rear Deck Lid Torsion Bar Adjuster	A & X body styles 1971-75 A.B.C. & G body styles 1970		J 23722	Rear Deck Lid Torsion Bar Adjuster	CAD.—C & E body styles 1971-75
	J 22291	Rear Deck Lid Torsion Bar Adjuster	E body Buick & Olds 1966-70		J 24854	Rear Deck Lid Torsion Bar Adjuster	VEGA SEDANS—1971-75 (Removal & Installation)
	J 23408	Rear Deck Lid Torsion Bar Adjuster	1969-70 Chev. custom coupes		J 24877	Torque Rod Adjuster	CHEV. & PONT. H Series Wagon

## Body Panel Service Tools




	J 8943-01	Spot Weld Cutting Tool (With 3 extra blades)	UNIVERSAL		J 23368	Power-Pull Two-Ton Capacity	ALL CARS
	J 8967	Replacement Blades for J 8943-01 (Set of 6)	For the J 8943-01 cutting tool		J 23714-01	Paint Striper Tool Set	ALL CARS
	J 21104	Weatherstrip Remover	ALL—weatherstrips of GM styles		J 23790	Convertible Top Tensioning Gauge	ALL GM—B,C,E, 1971-75
	J 21214	Rocker Panel Moulding Clip Pliers	ALL—moulding clips		J 24189	Antenna and Access Hole Kit	Blade sizes 1 1/4, 1, 7/8, 1-1/16, and 3/4 inch for antennas, air conditioners and access holes, for body repair.
	J 23366	Power-Pull One-Ton Capacity	ALL CARS		J 24223	Blair Hole Cutter	ALL CARS—1/4, 5/16, 7/16, 1/2, 9/16 & 5/8
	J 23367	Fender Strap Attachments (use with J 23366 & J 23368)	ALL CARS				

## Radio and Antenna Service Tools



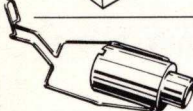

	J 8676	Antenna Nut Wrench	PONTIAC—All		J 22276	Antenna Lead-In Extension	1966-75 Buick and 1966-75 Pontiac
	J 9215	Power Antenna Nut Wrench	OLDS—All BUICK		J 22889	Antenna Nut Wrench	BU.—1969 A and 1968 B & C bodies
	J 22194	Radio System Checker	ALL CARS w/Mast Antennas		J 23106	Antenna Nut Wrench	BU.—1968-69 A Body






## ***Radio and Antenna Service Tools*** (Continued)

	J 23434	Antenna Nut Wrench	BUICK—1969 B & C body styles		J 24370	Slab Head Screw Driver	Delco Kit FM Radio Tape Units
	J 23520	Windshield Antenna Tester	Windshield Antennas				










## ***Guide-Matic***

	J 21529	Guide-Matic Tester	CADILLAC—1967-75		J 22837	Guide-Matic (Twilight Sentinel) Leveling Device	BU. & OLDS.—1967-75
	J 22622	Guide-Matic Test Adapter	CADILLAC—1967-75		J 25300	Head-lite Aiming Device (See Page 2)	All cars & Light Trucks Round & Rectangular Headlights

## ***Hood Service Tools***

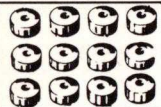

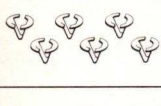
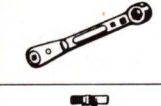
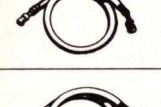
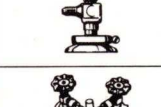

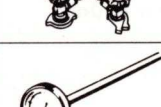


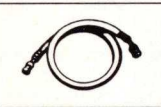
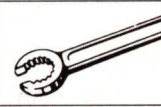

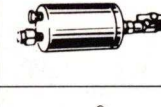

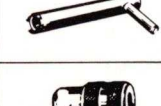
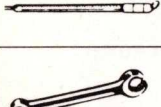

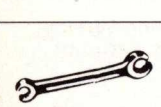
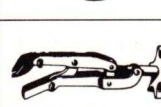
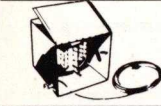

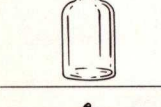
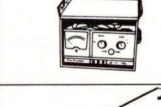

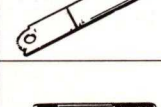
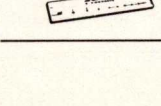
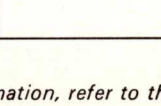
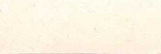
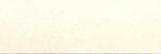
	J 21928	Front Compartment Torque Rod Adjusting Tool	CORVAIR—1965-68		J 23581	Hood Latch Release Tool	VEGA—1971-75 PONT.—1975
	J 22382	Open Hood Safety Stop (Set of 6)	ALL CHEV.—1965-75				

## ***Roof and Convertible Top Service Tools***

	J 2772-02	Headlining Installer	ALL CARS		J 23790	Convertible Top Tensioning Gauge	ALL GM—B,C,E, 1971-75
	J 21092	Fabric Roof Cover Trim Knife	ALL CARS		J 24416	Side Roof Rail Garnish Moulding Clip Remover	ALL GM—1973-75 A Bodies
	J 22710	Fabric Roof Cover Retainer Installer	GM—vinyl top equipped vehicles thru 1968		J 25070	Heat Gun 500°—750°F	UNIVERSAL
	J 23091	Vinyl Roof Repair Tool Kit	GM CARS—except Cadillac		J 25070-1	Heat Gun Stand	UNIVERSAL
	J 23455-01	Listener (See page 73)	ALL CARS				





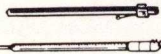




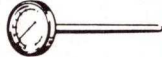







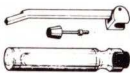














**General**
**AIR CONDITIONER**

	J 5418-1	Replacement Rubber Grommets for Charging Lines—Pkg. of 12		J 6084	Leak Detector—Liquid Propane
	J 5418-2	Replacement Valve Release Keys for Charging Lines—Pkg. of 6		J 6105	Refrigerant Ratchet Wrench (1/4" Ratchet)
	J 5418-36B	Charging Line—36" Blue		J 6271-01	Refrigerant Can Opener Fits—All Valve
	J 5418-36R	Charging Line—36" Red		J 6272-02	Multi Refrigerant Can Opener Handles—4 Cans
	J 5418-48W	Charging Line—48" White		J 6742-03	Thermometer—Dial Type (25°-125°) Shock Resistant
	J 5418-72B	Charging Line—72" Blue		J 6856	Tube Wrench (1")
	J 5418-72R	Charging Line—72" Red		J 6857	Tube Wrench (1 1/4")
	J 5418-72W	Charging Line—72" White		J 7605-03	Oil Injector (2 oz.)
	J 5420	Gauge Adapter—Straight		J 7727	Hot Gas Bypass Valve Adjuster
	J 5421-02	Pocket Thermometer (25°-125°F) White Background		J 9459	Gauge Adapter—90°
	J 5424-1	Tube Wrench—7/8"-9/16"		J 9505	Suction Throttling Valve Adjuster
	J 5424-2	Tube Wrench—3/4"-7/8"		J 9508	Air Conditioner Hose Remover
	J 5428-03	Vacuum Pump (In Metal Carrying Case) includes J 5428-11 Oil (.8 cfm)		J 10550	York & Tecumseh Compressor Tool Kit
	J 5428-11	Vacuum Pump Oil—1 qt.		J 21213	Temperature Test (—50° +150°F) (3 lead)
	J 5453	Safety Goggles		J 21530	Control Knob Adjuster (Comfortron)
	J 6076	Humidicator		J 22083	Suction Throttle Valve Guide Pin Set



**General**


















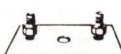
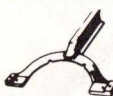

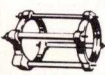


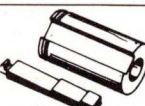




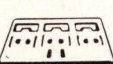

**AIR CONDITIONER  
(Continued)**

	J 22132-02	Schrader Valve Core Remover and Installer		J 23575	Complete Manifold Assembly (Includes Hoses)
	J 22555	Pocket Thermometer (—50° to —120°F) Yellow Background		J 23595	Domed Refrigerant Can Opener
	J 22655	Comfortron Circuit Board Amplifier Adapter (Used with J 22368-01—Olds. 1967-68)		J 23600	Belt Tension Gauge
	J 22667-01	Automatic Air Conditioner Door Adjuster (Pontiac)		J 23640	Thermometer Dial Type (0-220°)
	J 22684-02	Automatic Temperature Control Tester (Pontiac)		J 23678	A/C Comfortron Tester (All GM—1971-75)
	J 22684-51	Automatic Temperature Control Adapter (Pontiac, 1970)		J 23713-01	Programmer Test Harness (Use with J 23678)
	J 22860	Automatic Climate Control Vacuum Regulator (1969-70 Buick)		J 24095	Compressor Oil Injector
	J 23124	Comfortron Circuit Board Amplifier Adapter (Used with J 22368-01) (1969 Chev.)		J 24182	V.I.R. Service Tool Set
	J 23178	Vacuum Pump (Universal) (.8 cfm)		J 24340	Retaining Ring Pliers
	J 23187	Automatic Temperature Control Lever Adjuster (1969 Pontiac)		J 24364	High Capacity Vacuum Pump (3 cfm)
	J 23189	A/C Tester Adapter (1969 Cadillac)		J 24410	Portable Air Conditioning Service Station—High Capacity Vacuum Pump
	J 23390	12 lb. Disposable Can Control Opener		J 24556	A/C Charging Line Adapter—Corvette
	J 23400-01	Electronic Leak Detector		J 24612	A/C Louver Remover—Cadillac 74-75
	J 23471	Automatic A/C Temperature Control Tester Adapter (1970 Chev.)		J 24774	A.T.C. Harness (Use with J 23678) 1974 Pontiac & 1974-75 Cadillac, 1975 Chev. Buick
	J 23500	Portable Air Cond. Service Station		J 24774-75	A.T.C. Harness Adapter 1975 Buick (Use with J 24774)



# 4 & 6 Cylinders



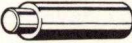

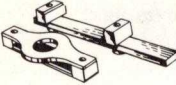

## G. M. COMPRESSORS

	J 5139	<b>Oil Pick-Up Tube Remover</b> 4 & 6 cylinder		J 9403	<b>Clutch Hub Holding Tool</b> 4 & 6 cylinder
	J 5403	<b>Snap Ring Pliers (#21 Internal)</b> 4 & 6 cylinder		J 9432	<b>Needle Bearing Installer</b> 6 cylinder
	J 6435	<b>Snap Ring Pliers (#26 External)</b> 4 & 6 cylinder		J 9433	<b>Suction Cross-Over Cover Seal Installer</b> — 6 cylinder
	J 7605-03	<b>Compressor Oil Injector (2 oz. Capacity)</b> — 4 & 6 cylinder		J 9480-01	<b>Hub &amp; Drive Plate Assembly Installer</b> — 4 & 6 cylinder
	J 8092	<b>Driver Handle</b> 4 & 6 cylinder		J 9481	<b>Pulley Bearing &amp; Pulley Installer (Use with J 8092)</b> — 6 cylinder
	J 8433	<b>Compressor Pulley Puller</b> 6 cylinder		J 9544	<b>Dial Indicator (.0005" Increments Checks Compressor Shaft End Play)</b> 6 cylinder
	J 9392	<b>Shaft Seal Remover &amp; Installer</b> 4 & 6 cylinder		J 9553-01	<b>"O" Ring Remover</b> 4 & 6 cylinder
	J 9393	<b>Seal Seat Remover &amp; Installer (Carbon Seat)</b> — 6 cylinder		J 9564-01	<b>Feeler Tension Gauge Set Includes: (.012", .005", .006", .007", .008", .009", .010", .011", .015", .017", .018", .019", .020", .021", .022")</b> — 6 cylinder
	J 9395	<b>Pulley Pilot (Use with J 8433 Puller)</b> 6 cylinder		J 9625	<b>Pressure Test Set with Schrader Valves</b> — 6 cylinder
	J 9396	<b>Compressor Holding Fixture (Use with J 9397)</b> — 6 cylinder		J 9661-01	<b>Feeler Tension Gauge Set Includes: (.017", .018", .019", .020", .021", .022")</b> — 6 cylinder
	J 9397	<b>Compressing Fixture</b> 6 cylinder		J 21352	<b>Compressor Support Block</b> 6 cylinder
	J 9398	<b>Pulley Bearing Remover (Use with J 8092)</b> — 6 cylinder		J 21508	<b>"O" Ring Installer</b> 4 & 6 cylinder
	J 9399	<b>Compressor Shaft Nut Socket (5/16" Thin Wall Hex)</b> — 4 & 6 cylinder		J 22974	<b>Compressor Shaft Oil Seal Protector</b> — 6 cylinder
	J 9401	<b>Hub &amp; Clutch Drive Plate Assembly Remover</b> — 4 & 6 cylinder		J 23128	<b>Compressor Shaft Seal Seat Remover &amp; Installer (Ceramic Seat)</b> 4 & 6 cylinder
	J 9402	<b>Piston Assembly Tray</b> — 6 cylinder		J 24340	<b>Retaining Ring Pliers</b> 4 & 6 cylinder



## 4 & 6 Cylinders

### G. M. COMPRESSORS (Continued)

	J 24895	Front Head Needle Bearing 4 cylinder		J 25029	Rotor & Bearing Assembly Installer 4 cylinder
	J 24896	Front Head Needle Bearing Remover—4 cylinder		J 25030	Clutch Hub Holding Tool 4 & 6 cylinder
	J 25008	Shell Remover & Installer & Holding Fixture 4 cylinder		J 25031	Rotor & Bearing Assembly Remover 4 cylinder

## J 25077 Catalyst Changer

*For converters with replaceable catalyst beads*

### FEATURES:

- Totally air operated
- Factory approved method of exchanging beads
- Time-Saver
- On car operation

The Kent-Moore Catalyst Changer allows efficient catalyst removal and replacement on vehicles equipped with catalytic converters containing replaceable catalyst beads. (i.e. General Motors, American Motors).

The patented design provides a means of servicing the catalytic converter without having to remove the converter from the vehicle. On-car servicing is the only factory approved method because catalytic converters are difficult to remove from most cars, especially after the car has been driven a large number of miles, without damaging the converter assembly or exhaust connections.

The catalyst changer includes a fill and emptying mechanism, a vacuum aspirator, and two hand tools used for removal of the converter drain plug. The fill and emptying mechanism clamps directly to the catalytic converter and contains an air turbine vibrator unit and discharge container. The vibrator induces a rotary motion to the catalytic converter case causing the catalyst beads to flow out the drain port and into the attached container.

To fill the catalytic converter the old catalyst beads are removed from the container and replaced with the proper amount of replacement catalyst beads. The air powered aspirator unit, attached at the end of the tail pipe, is then used to produce a vacuum in the exhaust system to pull the new catalyst beads from the container and into the converter.



During the filling operation the air turbine vibrator is used to tightly pack the catalyst beads as they flow into the converter. Proper packing is important to:

1. Insure converter is completely full so maximum number of beads are exposed to the exhaust gas.
2. Prevent movement of catalyst beads during vehicle operation to increase bead life.




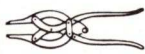



**General**

## PRESS PLATE HOLDERS

	J 358-1	4 7/8" Press Plate Holder		J 6407	4 7/8" & 6" dia. Press Plate Holder
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## PLIERS (SNAP-RING)

	J 932	Vacuum Grip		J 8039	Modified Vacuum Grip
	J 5172	Needle Point		J 8059	Parallel Opening Jaws
	J 5586	Modified Vacuum Grip			



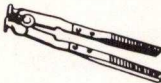
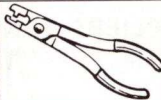
## PLIERS (TRU-ARC)

Tool No.	Ring Type	Tip Config.	Tip Diam.	Vendor Equiv. Part No's.	Tool No.	Ring Type	Tip Config.	Tip Diam.	Vendor Equiv. Part No's.
J 4245	Internal	St.	.070	23, 2300, 23R	J 8873	Internal	90°	.090	25-90, 2590, 2590R
J 4646	Internal (Spring & Stop)	St.	.090	5, 4500, 5R	J 21157	Internal	45°	.070	23-45, 2345, 2345R
J 4880	External	St.	.038	22, 2200, 22R	J 22380	Internal	90°	.150	#9, 6700
J 5207	Internal	St.	.090	25, 2500, 25R	J 23432	External	90°	.120	#8, S 6809
J 5403	Internal	St.	.038	21, 2100, 21R	J 24337	Internal (1 pr.)	90°	2 pr. .035 Dia.	Set 444K or 444OR
J 6083	External	St.	.070	24, 2400, 24R		External (1 pr.)	45°	2 pr. .045 Dia.	Pliers 445 (Int.)
J 6435	External	St.	.115	26, 2600, 26R			St.	2 pr. .045 Dia.	& 446 (Ext.)
							St.	2 pr. .060 Dia.	
J 8871	External	90°	.038	22-90, 2290, 2290R	J 24338	Internal External (Inter-changeable)	St.	.038	12, 12R, 1120
J 8872	External	90°	.070	24-90, 2490, 2490R	J 24339	Internal External (Inter-changeable)	St.	.070	34, 34R, 1340





**General**






## PLIERS (SPECIAL)

	J 8404	Corbin Type Clamp Pliers		J 22716	Band-It-Hose Clamp Pliers Toronado, Eldorado
	J 22610	Keystone Clamp Pliers		J 23373	Key Identification Plug Remover All GM Keys & AMC Keys







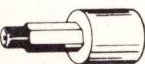

## TORQUE WRENCHES

	J 1264-01	1/2" Square Drive	0-200 ft. lbs.		J 7754	3/8" Square Drive	0-25 in. lbs.
	J 1313-01	1/2" Square Drive	0-150 ft. lbs.		J 8398	3/4" Square Drive	0-500 ft. lbs.
	J 5853-01	3/8" Square Drive	0-100 in. lbs.		J 23728	3/8" Square Drive	0-100 ft. lbs.
	J 6459-01	3/8" Square Drive	0-50 in. lbs.		J 23729	3/8" Square Drive	0-50 ft. lbs.

## ADJUSTABLE TORQUE WRENCHES

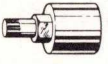
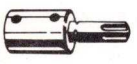
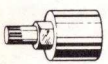

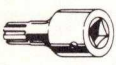
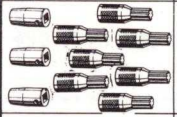
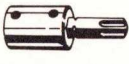
	J 23775-01	3/4" Ratchet	100-600 ft. lbs.		J 24406	3/8" Ratchet	5-100 ft. lbs.
	J 24404	1/4" Ratchet	5-200 in. lbs.		J 24407	1/2" Ratchet	10-250 ft. lbs.
	J 24405	3/8" Ratchet	10-250 in. lbs.				

## SPECIAL BITS








	J 7595	#2 Phillips Screw Driver Bit		J 23017-01	10mm 1/2" Drive 1.1 Liter Head Bolts—Opel
	J 22413	#4 Posi-Drive Screwdriver Bit— American Motors		J 23457	#50 Torx Door Lock Striker— All GM 1968-75
	J 22915-01	12mm 1/2" Drive 1.5 & 1.9 Liter Head Bolts—Opel		J 23656	6 mm 3/8" Drive Oil Pump Return Line Retaining Bolts—Opel
	J 23016-01	8mm 3/8" Drive—Opel—All Engines		J 23659	5mm x 3/8" Drive Hex Key Socket— Opel Door Striker—1973



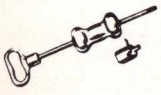

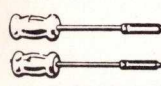
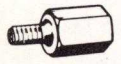
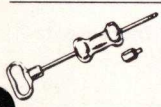

**General**
**SPECIAL BITS  
(Continued)**

	J 24392	#30 Torx		J 24640	#20 Torx
	J 24393	#40 Torx		J 25085	#10 Torx Socket
	J 24394	#45 Torx		J 25359	Torx Bit & Socket Set (#20, #25, #27, #30, #40, #45, #50) 1/4 & 3/8 Drives Sockets #6, #8, #10 Sockets
	J 24628-4	#25 Torx			

**TORQUE WRENCH ADAPTERS**






	J 5583	1/2" Female to 3/4" Male		J 9639	1/4" Square Drive—3/8" Square (1" Between Centers)
	J 8004-01	1/2" Square Drive—3/4" Double Hex—4 1/2" Long		J 21881	1/2" Square Drive—5/8" Double Hex—4 1/2" Long
	J 8068	3/8" Female to 1/2" Male		J 23410	Torque Wrench Multiplier (See J 23413 on page 51) 3/4" Square Drive Output—1/2" Input 0-750 ft. lbs. (Used with J 1264-01)
	J 9113-01	3/8" Square Drive—1/2" Double Hex (1 1/16" Between Centers)			

**SLIDE HAMMERS**






	J 2619-01	5/8-18 Thread with 1/2-13 Adapter		J 6471-4	Adapter 1/2—20 Part of J 6471-02
	J 6125	5/16-18 Thread with 3/8-16 Adapter (Set of 2)		J 6471-5	Adapter 3/4—10 Part of J 6471-02
	J 6258	Adapter Male 1/2" x 13 with Female 3/4" x 16		J 6471-6	Adapter 3/4—16 Part of J 6471-02
	J 6471-02	5/8-18 Thread Slide Hammer Puller & Adapters. Adapters listed below are included.		J 6471-7	Adapter 1—14 Part of J 6471-02
	J 6471-2	Adapter 3/8—16 Part of J 6471-02		J 6471-8	Adapter 1/2—13 (Part of J 6471-02)







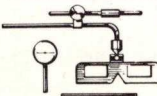

**General****SLIDE HAMMERS  
(Continued)**

	J 6471-9	Adapter $\frac{1}{16}$ —20 (Part of J 6471-02)		J 6471-15	Adapter $\frac{1}{4}$ Pipe (Part of J 6471-02)
	J 6471-10	Adapter $\frac{1}{16}$ —18 (Part of J 6471-02)		J 6585-01	$\frac{1}{16}$ -14 Thread with $\frac{1}{16}$ -18 Adapter (Set of 2)
	J 6471-11	Adapter $\frac{3}{8}$ —11 (Part of J 6471-02)		J 7004	$\frac{3}{8}$ -16 Thread (Set of 2)
	J 6471-12	Adapter $\frac{7}{8}$ —14 (Part of J 6471-02)		J 8118	Adapter $\frac{1}{8}$ Pipe
	J 6471-13	Adapter $\frac{7}{8}$ —9 (Part of J 6471-02)		J 9276-21	Adapter $\frac{3}{8}$ —24 Part of J 6471-02
	J 6471-14	Adapter $\frac{1}{2}$ Pipe (Part of J 6471-02)			

**DRIVER HANDLES & EXTENSIONS**


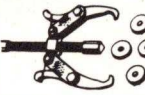


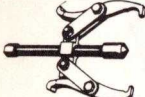
	J 7079-2	Driver Handle (For Non-Threaded Type Drivers) (8" long)		J 21054-1	Driver Handle (26" long)
	J 8092	Threaded Type $\frac{3}{4}$ -10 (9" long)		J 21465-13	Driver Handle Extension $\frac{3}{4}$ x 10 Male & Female Thread
	J 8592	Threaded Type $\frac{3}{4}$ -10 (12" long)			

**DIAL INDICATORS & EXTENSIONS**


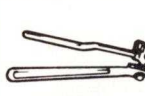

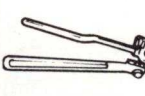
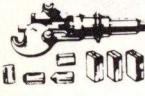
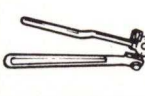
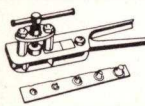
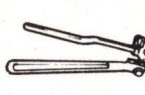


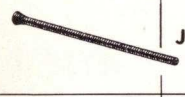

	J 5339	Dial Indicator Plunger Extension $1\frac{3}{8}$ " Long (Use with J 8001 or J 9544)		J 8001	Dial Indicator Set (.001" Increments—.100 Travel)
	J 7057	Dial Indicator Plunger Extension $2\frac{1}{2}$ " long (Use with J 8001 or J 9544)		J 9544	Dial Indicator (.0005" Increments— .100 Travel)
	J 7872	Magnetic Base Indicator Set		J 23672	Radial Run Out Dial Indicator Adapter (Use with J 8001) (UNIVERSAL)



**General**
**UNIVERSAL PULLERS & ADAPTERS**

	J 8111	Utility Puller Set		J 22888-02	Side Bearing Puller with Adapters
	J 22588-03	Side Bearing Puller & Adapters		J 24420	Universal Bar Puller Range 1 1/4 Dia. thru 4" Dia.
	J 22888	Side Bearing Puller			

**TUBE FLARING TOOLS**

	J 2185-A	Double Lap Flaring Tool Set 37 Degrees for 3/16, 1/4, 5/16, 3/8 and 1/2" diameter tubing (Complete in metal box)		J 24422	3/16 O.D. Tube Bender
	J 2185-B	Double Lap Flaring Tool Set 45 Degrees for 3/16, 1/4, 5/16, 3/8 and 1/2" diameter tubing (Complete in metal box)		J 24423	1/4 O.D. Tube Bender
	J 6892	Double Lap Flaring Tool— 45 Degrees for 3/16, 1/4 and 5/16 diameter Tubing		J 24424	5/16 O.D. Tube Bender
	J 23530	Flaring Tool 45° Single & Double Flare		J 24425	3/8 O.D. Tube Bender
	J 23531	Slip-on Tube Bender 5/16" Bending Spring		J 25310	Tube Bender 1/4" thru 7/16"
	J 23532	Slip-on Tube Bender 1/4" Bending Spring			
	J 23533-01	Tube Cutter			

For complete tool listing and price information, refer to the Numerical Price List.

**WARRANTY**

Tools are warranted for one year  
against defective material or work-

manship, except where certificate  
accompanies tool.



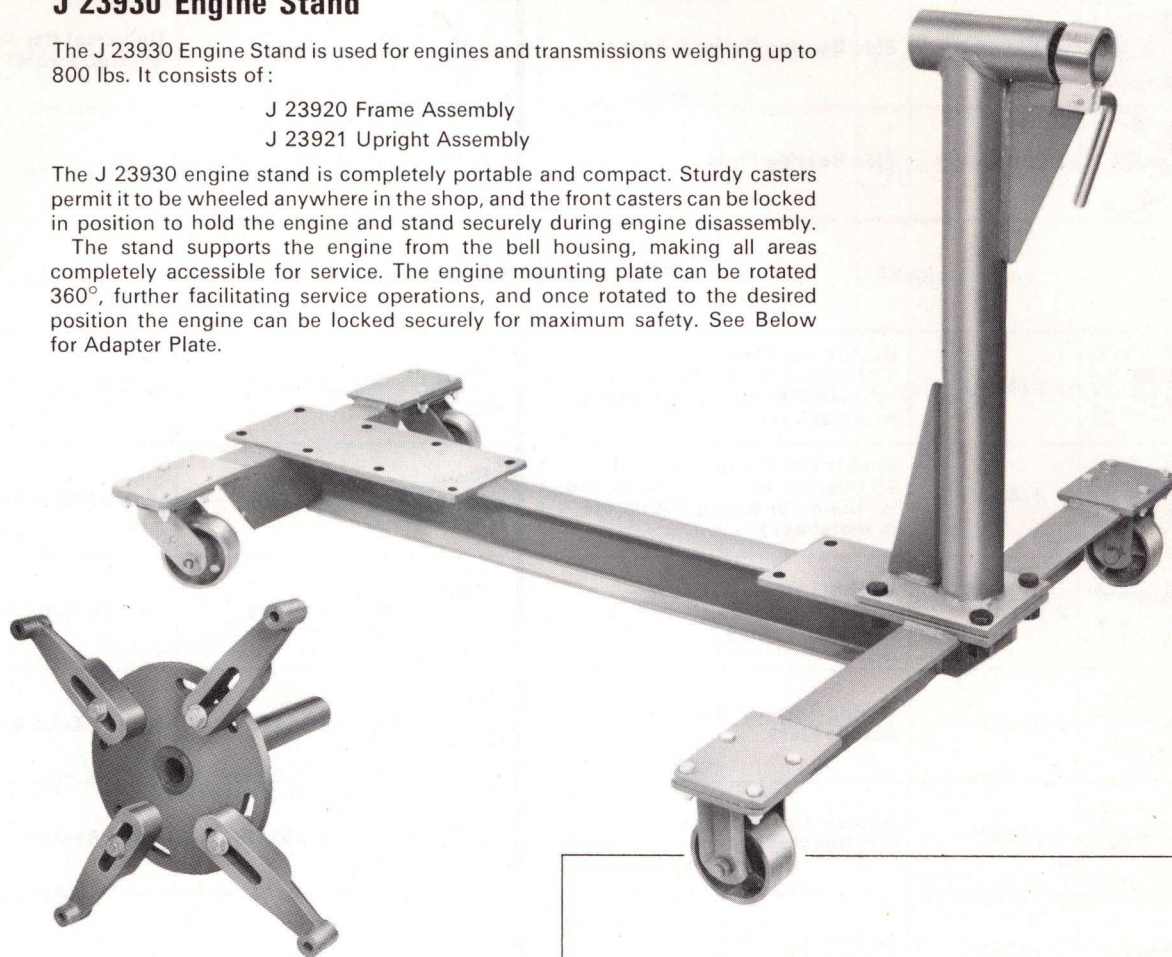
### J 23930 Engine Stand

The J 23930 Engine Stand is used for engines and transmissions weighing up to 800 lbs. It consists of:

- J 23920 Frame Assembly
- J 23921 Upright Assembly

The J 23930 engine stand is completely portable and compact. Sturdy casters permit it to be wheeled anywhere in the shop, and the front casters can be locked in position to hold the engine and stand securely during engine disassembly.

The stand supports the engine from the bell housing, making all areas completely accessible for service. The engine mounting plate can be rotated 360°, further facilitating service operations, and once rotated to the desired position the engine can be locked securely for maximum safety. See Below for Adapter Plate.



Accessories for the J 23930 Engine stand include:

J 23925 Adapter Plate

This adapter plate and arm assembly will adapt to most engines. The adapter arms will rotate to any combination of engine hole positions for fast, foolproof connections.

J 23924 Adapter Sleeve. This adapter sleeve is designed to accommodate any of the following transmission holding fixtures.

- J 6115-02 Transmission Holding Fixture
- J 6638 Transmission Holding Fixture
- J 7896-01 Transmission Holding Fixture
- J 8763-02 Transmission Holding Fixture
- J 21533 Transmission Holding Fixture
- J 22240 Transmission Holding Fixture

*Accessories must be purchased separately and are not included with J 23930 Engine Stand.*

### THE MODULAR CONCEPT

The new modular stands by Kent-Moore all utilize the same frame assembly. There are two different upright assemblies that may be attached to this frame depending upon the weight of the engine. By utilizing one frame for both a light weight and heavy weight stand, it is no longer necessary to purchase two complete stands. This will result in a substantial money savings.

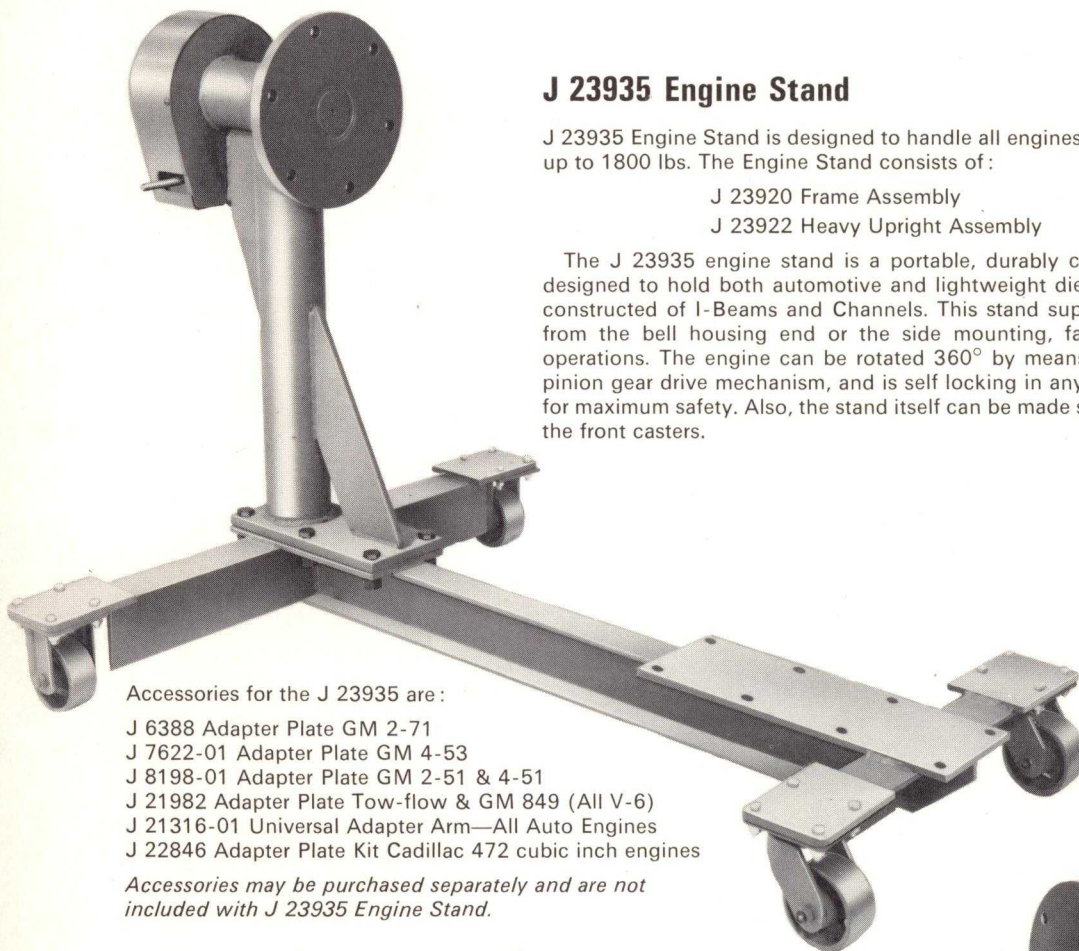


### J 23935 Engine Stand

J 23935 Engine Stand is designed to handle all engines or transmissions up to 1800 lbs. The Engine Stand consists of:

- J 23920 Frame Assembly
- J 23922 Heavy Upright Assembly

The J 23935 engine stand is a portable, durably constructed stand designed to hold both automotive and lightweight diesel engines. It is constructed of I-Beams and Channels. This stand supports the engine from the bell housing end or the side mounting, facilitating service operations. The engine can be rotated 360° by means of a worm and pinion gear drive mechanism, and is self locking in any desired position for maximum safety. Also, the stand itself can be made secure by locking the front casters.



Accessories for the J 23935 are:

- J 6388 Adapter Plate GM 2-71
- J 7622-01 Adapter Plate GM 4-53
- J 8198-01 Adapter Plate GM 2-51 & 4-51
- J 21982 Adapter Plate Tow-flow & GM 849 (All V-6)
- J 21316-01 Universal Adapter Arm—All Auto Engines
- J 22846 Adapter Plate Kit Cadillac 472 cubic inch engines

*Accessories may be purchased separately and are not included with J 23935 Engine Stand.*

### J 23931 Engine Stand

The J 23931 Engine Stand for engines and transmissions weighing up to 800 lbs. The J 23931 consists of:

- J 23923 Mounting Plate
- J 23921 Upright Assembly

This stand is designed to be mounted to the floor. The J 23921 upright assembly can easily be removed from the J 23923 mounting plate and mounted on the J 23920 frame assembly for mobility. All accessories for the J 23930 are available for usage on the J 23921 upright assembly.



J 23923

### J 23936 Engine Stand

J 23936 Engine Stand—for all engines or transmissions weighing up to 1800 lbs.

This floor mounted stand consists of the J 23923 mounting plate and the J 23922 Heavy Upright Assembly. Many service centers prefer this type of stand. It can also be mounted to the J 23920 Frame Assembly if there is a need.

Accessories same as J 23935 Engine Stand.



J 23923



**Kent-Moore  
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